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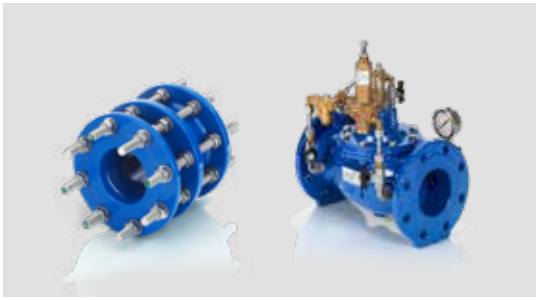

ECOPARTS

ZEROWATERLOSS
vonroll-hydro.world

HYDRO

ZEROWATERLOSS

ZEROWATERLOSS VISION BECOMES REALITY

Valued customers and business partners

Water is the foundation of life – this goes without saying. Despite this (or even because of this), we are not prepared to pay the right price for good, clean and safe water, or make investments to allow water to be safely transported using sustainable infrastructure, to retain its quality and to prevent theft and waste.

After decades of engagement with the issue of water, VONROLL HYDRO has developed the ZEROWATERLOSS mission statement. In doing so, we have seen how ZEROWATERLOSS has become a global challenge. Summer 2003 was the first time that even countries in Europe with plenty of water were shown how vulnerable the foundation of our life and our quality of life is. 2018 refreshed the (gladly suppressed) memory. In many places, sinking groundwater levels have been registered for years, and a significant portion of worldwide migration movements could be attributed to the increasing lack of water or conflicts connected to the control of water reserves. In addition to climate change, the key causes of water shortages are population growth, demands on the standard of living, overexploitation and ignorance. Where the Aral Sea still stood until recently, there are now dry boatyards in the desert. In many countries, over 50 % of the water generated in an energy-intensive manner in desalination plants gets lost on the way to the consumer.

The ZEROWATERLOSS mission statement (www.zerowaterloss.world) presents the counter-thesis: Water is a key part of the intergenerational contract. We must build infrastructure today with first-class, long-lasting components. Water quality and water use must be monitored and safeguarded with innovative products and services (INFRAPORT as the foundations of smart cities and smart villages). The components required here for our infrastructure should ideally be manufactured regionally. This allows our values, which are reflected, for instance, in labour and environmental protection laws, to feed into our infrastructure. Thanks to short transport distances, CO_2 and exhaust gas pollution are minimised at the same time.

Together with you, our customers and business partners, we want to see ZEROWATERLOSS become a reality, with integrated and coordinated products and services worldwide. The new VONROLL HYDRO 2024 full catalogue forms a solid foundation for joint commitment. Our engineering teams are glad to have the chance to support you in planning and implementing large and small infrastructure projects.

ZEROWATERLOSS – so that water also remains a safe foundation of life for our descendants.

On behalf of the companies of the VONROLL HYDRO Group

Jürg Brand
President of the Board of Directors

Marta Lozano
Director ZEROWATERLOSS

1

We recognise

discrimination-free access to clean water as a universal human right.

2

We are committed to

not using more water than can sustainably flow back – Supplying our customers with high-quality water – Feeding used water back into circulation once purified.

3

We favour

recycled and recyclable materials (ideally with no degradation), which are manufactured and transported with as little CO_2 and exhaust gas pollution as possible.

4

We respect

the intergenerational contract by using high-quality and long-lasting products and services, and paying the right price for them.

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ISOLATION VALVES

House connection gate valve PN 16
Installation length M3 DIN 3202, Part 4 | water (drinking water, service water)

Version:	with threaded sockets | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5005 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no	€
20 (¾")	110	12	3,5	**16**	10012333	**266.10**
25 (1")	110	12	3,5	**16**	10010913	**326.00**
32 (1 ¼")	110	12	3,5	**16**	10007506	**314.70**
40 (1 ½)	120	12	4,0	**16**	10010916	**402.90**
50 (2")	140	12	5,0	**16**	10010917	**406.60**

Fully protected house connection gate valve PN 16
Water (drinking water, service water)

Version:	with HDPE welding ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | rubber parts EPDM, W 270 | welding end HDPE 100 black
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5440 EPOXY

DN / dR	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
25 / 32	305	12	4,0	**16**	10011031	**501.30**
32 / 40	305	12	4,5	**16**	10068149	**506.80**
40 / 50	340	12	5,0	**16**	10068150	**490.00**
50 / 63	375	12	6,0	**16**	10068131	**651.40**

ISOLATION VALVES

Fully protected house connection gate valve PN 16
Water (drinking water, service water)

Version:	with HDPE welding ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | rubber parts EPDM, W 270 | welding end HDPE 100 black
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5441 EPOXY

DN / dR	L mm	Sp □ DIN-no.	kg	PN bar	Part no.	€
025 / 032 (1")	207	12	3,7	**16**	10012347	**516.30**
032 / 040 (1 ¼")	207	12	3,7	**16**	10012348	**440.40**
040 / 050 (1 ½")	230	12	4,1	**16**	10011077	**545.30**
050 / 063 (2")	257	12	5,1	**16**	10012349	**565.70**

Figure 5446 EPOXY

DN / dR	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
050 / 040-063 (2")	445	12	5,5	**16**	10012350	**580.50**

ISOLATION VALVES

Fully protected gate valve PN 10/16/25
Installation length EN 558-1 series 15 (F4) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | internally and externally enamelled in cobalt blue

Figure 5007 EPOXY/**5288** ENAMEL

					EPOXY		ENAMEL	
DN	L mm	Sp □ DIN no.	kg	**PN bar**	Part no.	**€**	Part no.	**€**
40	140	14	8,0	**25**	10013630	**764.20**	–	
50	150	14	9,0	**25**	10013631	**771.90**	–	
65	170	17	14,0	**25**	10013634	**785.50**	–	
80	180	17	18,0	**25**	10010940	**827.10**	–	
100	190	19	23.0	**25**	10010942	**1373.80**	–	
40	140	14	8,0	**16**	10013632	**322.40**	10013691	**392.80**
50	150	14	9,0	**16**	10007439	**257.90**	10013692	**405.70**
65	170	17	14,0	**16**	10009495	**475.30**	10013693	**578.50**
80	180	17	18,0	**16**	10007505	**370.90**	10011098	**573.70**
100	190	19	23,0	**16**	10007440	**431.30**	10013694	**717.00**
125	200	19	28,0	**16**	10013635	**788.10**	10013695	**953.10**
150	210	19	36,0	**16**	10007441	**788.10**	10013696	**953.10**
200	230	24	63,0	**16**	10007442	**1'350.20**	10013698	**1'790.30**
250	250	27	99,0	**16**	10022696	**2'634.10**	10013700	**3'293.20**
300	270	27	135,0	**16**	10013639	**3'508.50**	10013702	**4'383.80**
350	290	27	228,0	**16**	10013641	**6'622.80**	–	
400	310	32	290,0	**16**	10013642	**8'087.40**	–	
500	350	32	444,0	**16**	10013643	**11'014.80**	–	
600	390	32	708,0	**16**	10013646	**18'557.00**	–	
200	230	24	63,0	**10**	10013637	**1'303.80**	10013697	**1'721.50**
250	250	27	99,0	**10**	10007443	**2'613.50**	10013699	**3'002.80**
300	270	27	135,0	**10**	10013638	**3'359.60**	10013701	**4'198.90**
350	290	27	228,0	**10**	10013640	**6'466.20**	–	
400	310	32	290,0	**10**	10007444	**8'087.40**	–	
500	350	32	444,0	**10**	10007445	**10'555.90**	–	
600	350	32	708,0	**10**	10013645	**18'619.90**	–	

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1, GR 14 (F4) | water (drinking water, service water), Epoxy connection for electric drive

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figur 5007A

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
40	140	14	8,0	**10/16**	10000383	**2'288.70**
50	150	14	9,0	**10/16**	10013705	**1'367.30**
65	170	17	14,0	**10/16**	10013706	**1'183.50**
80	180	17	18,0	**10/16**	10013707	**1'230.70**
100	190	19	23,0	**10/16**	10013708	**1'262.60**
125	200	19	28,0	**10/16**	10065983	**1'600.50**
150	210	19	36,0	**10/16**	10013709	**1'927.80**
200	230	24	63,0	**10**	10013710	**2'487.10**
250	250	27	99,0	**10**	10013712	**4'298.30**
300	270	27	135,0	**10**	10013714	**4'396.50**
350	290	27	235,0	**10**	10013715	**8'130.90**
400	310	32	299,0	**10**	10013717	**11'144.70**
500	350	32	444,0	**10**	10013719	**on request**
600	390	32	708,0	**10**	10013721	**on request**
200	230	24	63,0	**16**	10013711	**2'550.50**
250	250	27	99,0	**16**	10013713	**4'341.00**
300	270	27	135,0	**16**	10066109	**4'542.70**
350	290	27	228,0	**16**	10013716	**8'288.80**
400	310	32	290,0	**16**	10013718	**11'354.90**
500	350	32	444,0	**16**	10013720	**on request**
600	390	32	708,0	**16**	10013722	**on request**

Drive assignment

DN		
40 to 50	F10	SA 07.6
65 to 150	F10	SA 10.2
200 to 300	F14	SA 14.2
350 to 400	F14	SA 14.6
500 to 600	F16	SA 16.2

ISOLATION VALVES

Fully protected gate valve PN 10/16/25
Installation length EN 558-1 series 15 (F5) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5211 EPOXY/**5214** ENAMEL

DN	L mm	Sp □ DIN no.	kg	PN bar	EPOXY Part no.	EPOXY €	ENAMEL Part no.	ENAMEL €
40	240	12	8,5	**25**	10013277	**590.20**	–	
50	250	12	9,5	**25**	10013279	**869.90**	–	
65	270	17	15,0	**25**	10010925	**710.60**	–	
80	280	17	19,0	**25**	10019954	**881.10**	–	
100	300	19	28,2	**25**	10010928	**1'060.50**	–	
40	240	14	8,5	**16**	10013278	**282.20**	10013411	**392.80**
50	250	14	9,5	**16**	10007562	**264.70**	10013412	**405.70**
65	270	17	15,0	**16**	10013280	**368.20**	10013413	**557.70**
80	280	17	19,0	**16**	10007563	**392.10**	10010130	**528.80**
100	300	19	23,3	**16**	10007433	**428.50**	10013414	**685.80**
125	325	19	30,5	**16**	10007434	**600.40**	10013415	**953.10**
150	350	19	38,5	**16**	10007435	**644.70**	10013416	**950.10**
200	400	24	66,5	**16**	10009494	**1'377.80**	10013417	**1'835.50**
250	450	27	112,0	**16**	10013282	**2'698.30**	10013418	**3'372.60**
300	500	27	157,0	**16**	10013283	**3'339.10**	10013419	**4'488.80**
350	550	27	280,0	**16**	10013285	**6'785.70**	–	
400	600	32	320,0	**16**	10013286	**8'706.10**	–	
500	700	32	530,0	**16**	10013313	**13'658.70**	–	
600	800	32	780,0	**16**	10013321	**20'597.40**	–	
200	400	24	66,5	**10**	10007436	**1'320.90**	10013421	**1'800.10**
250	450	27	112,0	**10**	10013358	**2'423.70**	10013422	**3'258.70**
300	500	27	157,0	**10**	10013359	**2'850.60**	10013434	**4'245.80**
350	550	27	280,0	**10**	10013360	**6'704.20**	–	
400	600	32	320,0	**10**	10007437	**8'301.70**	–	
500	700	32	530,0	**10**	10007438	**11'668.70**	–	
600	800	32	780,0	**10**	10013362	**19'306.60**	–	

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1, GR 15 (F5) | water (drinking water, service water), EPOXY connection for electric drive

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figur 5211A

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
40	240	12	8,5	**16**	10013526	**1'178.50**
50	250	12	9,5	**16**	10013527	**1'213.70**
65	270	17	15,0	**16**	10013528	**1'218.90**
80	280	17	19,0	**16**	10013529	**1'181.60**
100	300	19	28,2	**16**	10013530	**1'318.10**
125	325	19	30,5	**16**	10013531	**1'504.00**
150	350	19	38,5	**16**	10013532	**1'580.80**
200	400	24	66,5	**10**	10013540	**2'631.00**
250	450	27	112,0	**10**	10013541	**3'978.40**
300	500	27	157,0	**10**	10013542	**4'477.60**
350	550	27	280,0	**10**	10013544	**8'128.00**
400	600	32	320,0	**10**	10013545	**12'108.90**
500	700	32	530,0	**10**	10013546	**on request**
600	800	32	780,0	**10**	10013547	**on request**
200	400	24	66,5	**16**	10013533	**2'733.90**
250	450	27	112,0	**16**	10013534	**3'867.00**
300	500	27	157,0	**16**	10013535	**4'628.40**
350	550	27	280,0	**16**	10013536	**8'451.50**
400	600	32	320,0	**16**	10013537	**11'610.50**
500	700	32	530,0	**16**	10013538	**on request**
600	800	32	780,0	**16**	10013539	**on request**

Drive assignment

DN		
40 to 50	F10	SA 07.6
65 to 150	F10	SA 10.2
200 to 300	F14	SA 14.2
350 to 400	F14	SA 14.6
500 to 600	F16	SA 16.2

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | with internal spindle | medium-free spindle bearing | bypass line DN 50
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5246 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
400	600	32	330,0	**16**	10013364	**12'172.00**
500	700	36	540,0	**16**	10013366	**17'002.10**
600	800	36	790,0	**16**	10013368	**26'898.40**
400	600	32	310,0	**10**	10013363	**12'000.20**
500	700	36	540,0	**10**	10013365	**16'572.50**
600	800	36	790,0	**10**	10013367	**26'340.50**

ISOLATION VALVES

Interchangeable and adjustable-length gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5272 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	280 –20/+10	17	21,5	**16**	10019976	**1'091.80**
100	300 –20/+10	19	26,3	**16**	10010980	**1'115.40**
125	325 –20/+10	19	33,5	**16**	10010982	**1'648.50**
150	350 –20/+10	19	47,0	**16**	10010985	**1'440.10**
200	400 –20/+10	24	78,5	**16**	10010987	**2'437.50**
250	450 –20/+10	27	126,0	**16**	10010993	**4'969.90**
300	500 –20/+10	27	158,0	**16**	10010998	**6'048.30**
200	400 –20/+10	24	78,5	**10**	10010992	**2'307.80**
250	450 –20/+10	27	126,0	**10**	10010995	**5'131.10**
300	500 –20/+10	27	158,0	**10**	10011001	**5'815.60**

ISOLATION VALVES

Fully protected gate valve PN 16
Water (drinking water, service water)

Version:	with socket / socket | double-chamber socket | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5050 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	328	17	20,0	**16**	10010989	**609.80**
100	332	19	24,0	**16**	10013652	**687.00**
125	346	19	30,0	**16**	10013653	**981.10**
150	366	19	40,0	**16**	10013654	**1'065.00**
200	390	24	67,0	**16**	10013655	**1'717.60**
250	480	27	110,0	**16**	10013656	**3'639.90**
300	540	27	137,0	**16**	10013660	**4'649.10**

Seal included

Fully protected gate valve PN 16
Water (drinking water, service water)

Version:	with socket / spigot end | double-chamber socket | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5054 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	313	17	19,0	**16**	10011006	**609.80**
100	317	19	23,5	**16**	10013661	**687.00**
125	334	19	29,9	**16**	10013662	**981.10**
150	358	19	40,2	**16**	10013663	**1'065.00**
200	382	24	66,7	**16**	10013664	**1'717.60**

Seal included

ISOLATION VALVES

Fully protected gate valve PN 10/16
Water (drinking water, service water)

Version:	with flanges/socket | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5455 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	254	17	19,5	**16**	10012337	**809.70**
100	261	19	23,4	**16**	10013665	**845.20**
125	273	19	30,2	**16**	10013668	**1'137.60**
150	288	19	41,0	**16**	10013669	**1'471.50**
200	310	24	63,8	**16**	10013670	**2'625.30**
250	365	27	106,0	**16**	10013671	**3'966.10**
300	405	27	137,0	**16**	10013672	**4'879.50**
200	310	24	63,8	**10**	10012338	**2'625.30**
250	365	27	106,0	**10**	10012339	**3'966.10**
300	405	27	137,0	**10**	10012340	**4'879.50**

Fully protected gate valve VS5000 PN 16
Water (drinking water, service water)

Version:	BLS-socket and BLS cast spigot ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074-2/EN1171
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 6054 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	223	17	19,5	**16**	21015436	**1'036.40**
100	230	19	24	**16**	21015435	**1'129.70**
125	260	19	31,5	**16**	21021637	**1'387.00**
150	295	19	43,5	**16**	21021636	**1'792.30**
200	310	24	69	**16**	21015606	**2'682.50**

ISOLATION VALVES

Fully protected gate valve PN 16
Water (drinking water, service water)

Version:	with HDPE spigot ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5460 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
065 / 075	510	17	15,8	**16**	10012346	**1'023.80**
080 / 090	711	17	21,5	**16**	10013673	**1'041.70**
100 / 110	766	19	26,3	**16**	10013674	**1'121.70**
100 / 125	866	19	26,8	**16**	10013675	**1'123.70**
125 / 140	906	19	33,5	**16**	10013676	**1'737.30**
125 / 160	926	19	33,9	**16**	10013677	**1'989.80**
150 / 160	956	19	45,2	**16**	10013678	**2'336.50**
150 / 180	1027	19	45,7	**16**	10013679	**2'337.70**
150 / 200	1105	19	47,0	**16**	10013680	**2'326.60**
200 / 225	1111	24	78,5	**16**	10013681	**3'930.20**
200 / 250	1053	24	80,0	**16**	10013682	**3'953.30**
250 / 280	1160	27	118,0	**16**	10013683	**4'896.90**
250 / 315	1160	27	120,0	**16**	10013684	**6'093.90**
300 / 315	1220	27	153,0	**16**	10013685	**6'712.90**
300 / 355	1260	27	155,0	**16**	10013686	**6'869.50**

Fully protected gate valve PN 16
Water (drinking water, service water)

Version:	with flange / spigot end in HDPE | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5035 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no	€
040 / 050	230	12	7,8	**16**	10012351	**714.70**
050 / 050	230	12	8,0	**16**	10012352	**669.30**
050 / 063	257	12	9,0	**16**	10012353	**756.20**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Water (drinking water, service water)

Version:	with flange/spigot ends HDPE | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5462 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
080/090	445,5	17	21,5	**16**	10013687	**1'136.10**
100/110	478,0	19	26,3	**16**	10013688	**1'161.10**
100/125	528,0	19	26,8	**16**	10012354	**1'148.60**
125/140	553,0	19	33,5	**16**	10012355	**1'462.30**
125/160	563,0	19	33,9	**16**	10012356	**1'462.60**
150/160	583,0	19	42,5	**16**	10013689	**1'724.10**
150/180	617,5	19	45,7	**16**	10013690	**1'925.10**
150/200	677,5	19	47,0	**16**	10012357	**1'984.00**
200/225	670,5	24	78,5	**16**	10012359	**2'826.10**
200/250	641,5	24	80,0	**16**	10012361	**3'103.70**
250/280	705,0	27	118,0	**16**	10012363	**4'829.50**
250/315	120,0	27	120,0	**16**	10012365	**5'540.00**
300/315	745,0	27	153,0	**16**	10012367	**5'602.10**
300/355	765,0	27	155,0	**16**	10012369	**6'263.10**
200/225	670,5	24	78,5	**10**	10012358	**2'826.10**
200/250	641,5	24	80,0	**10**	10012360	**3'103.70**
250/280	705,0	27	118,0	**10**	10012362	**4'965.70**
250/315	120,0	27	120,0	**10**	10012364	**5'164.10**
300/315	745,0	27	153,0	**10**	10012366	**5'730.10**
300/355	765,0	27	155,0	**10**	10012368	**6'136.80**

ISOLATION VALVES

Fully protected gate valve PN 16
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	with flanges | with bevel gear drive | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5007AB EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	180	17	26,5	**16**	10013734	**5'151.10**
100	190	19	31,5	**16**	10013735	**5'411.30**
125	200	19	36,5	**16**	10013063	**5'572.20**
150	210	19	44,5	**16**	10013065	**6'544.20**
200	230	24	71,5	**16**	10013097	**8'274.40**
250	250	27	107,5	**16**	10013099	**8'828.80**
300	270	27	143,5	**16**	10013100	**9'737.50**
400	310	32	298,5	**16**	10013101	**10'219.00**
200	230	24	71,5	**10**	10013102	**8'274.40**
250	250	27	107,5	**10**	10013103	**8'828.80**
300	270	27	143,5	**10**	10013104	**9'737.50**
400	310	32	298,5	**10**	10013736	**10'149.50**

ISOLATION VALVES

Gate valve PN 10/16
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version: with flanges to DIN EN 1092-2 | metal-seated Ni/Ni | internal spindle DIN 3352-4A
Tests: DIN-DVGW W 363 (P)/EN 1074
Material: body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | seals EPDM, W 270
Surface protection: internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5947 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
50	150	14	13,90	**16**	10011152	**on request**
65	170	17	16,50	**16**	10020210	**on request**
80	180	17	21,40	**16**	10020211	**on request**
100	190	19	28,20	**16**	10011154	**on request**
125	299	19	38,30	**16**	10020212	**on request**
150	210	19	49,10	**16**	10020237	**on request**
200	230	24	76,10	**16**	10011157	**on request**
250	250	27	106,00	**16**	10011160	**on request**
300	270	27	145,00	**16**	10011162	**on request**
200	230	24	76,10	**10**	10011165	**on request**
250	250	27	106,00	**10**	10013109	**on request**
300	270	27	145,00	**10**	10013110	**on request**
350	290	27	214,00	**10**	10011168	**on request**
400	310	32	308,00	**10**	10013111	**on request**
500	350	36	432,00	**10**	10020273	**on request**
600	390	36	667,00	**10**	10020274	**on request**

Gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | water (drinking water, service water)

Version: with flanges to DIN EN 1092-2 | metal-seated Ni/Ni | internal spindle DIN 3352-4B
Tests: DIN-DVGW W 363 (P)/EN 1074
Material: body, upper section, wedge EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | seals EPDM, W 270
Surface protection: internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5948 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
50	250	14	16,40	**16**	10020275	**on request**
65	270	17	19,90	**16**	10020327	**on request**
80	280	17	26,20	**16**	10011170	**on request**
100	300	19	36,30	**16**	10020328	**on request**
125	325	19	50,20	**16**	10020329	**on request**
150	350	19	60,00	**16**	10020330	**on request**
200	400	24	99,00	**16**	10011173	**on request**
250	450	27	106,00	**16**	10020334	**on request**
300	500	27	145,00	**16**	10011175	**on request**
200	400	24	99,00	**10**	10011178	**on request**
250	450	27	106,00	**10**	10020350	**on request**
300	500	27	145,00	**10**	10011180	**on request**

ISOLATION VALVES

House connection gate valve PN 5
Installation length M3 DIN 3202, Part 4 | gas | DVGW

Version:	with HDPE welding ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW DIN 3230, Part 5, PG 3, EN 13774
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 1023

Figure 5006 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
20 (¾")	110	12	3,5	**4**	10022406	**343.60**
25 (1")	110	12	3,5	**4**	10022408	**392.50**
32 (1 ¼")	110	12	3,5	**4**	10022409	**380.10**
40 (1 ½")	120	12	4,0	**4**	10022410	**562.60**
50 (2")	140	12	5,0	**4**	10022411	**581.60**

Fully protected house connection gate valve PN 10
Gas | DVGW

Version:	with HDPE welding ends | soft-seated | with internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW DIN 3230, Part 5, PG 3, EN 13774
Material:	body EN-JS1050 | wedge GK-Ms60 | spindle 1.4021 | upper section, spindle nut brass (CW617N) | natural rubber parts | welding ends HDPE 100 black
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 1023

Figure 5442 EPOXY

DN / dR	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
25 / 32	305	12	3,5	**10**	10011237	**634.00**
32 / 40	305	12	3,5	**10**	10011239	**652.70**
40 / 50	340	12	3,5	**10**	10011242	**751.40**
50 / 63	375	12	4,0	**10**	10013751	**872.40**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1 series 14 (F4) | gas/biogas | DVGW

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW DIN 3230, Part 5, PG 3, EN 13774
Material:	gas (Fig. 5452) – body, upper section, wedge EN-JS1050 | spindle 1.4021 | spindle nut brass | natural rubber parts biogas (Fig. 5596) – body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 1023/5015

Figure 5452 Gas/**5596** Biogas EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Gas Part no.	Gas €	Biogas Part no.	Biogas €
40	140	14	8,0	**10/16**	10064706	**517.50**	10012321	**652.50**
50	150	14	9,0	**10/16**	10007429	**517.50**	10013119	**652.50**
65	170	17	14,0	**10/16**	10013246	**648.50**	10013120	**938.20**
80	180	17	18,0	**10/16**	10013249	**648.50**	10013123	**938.20**
100	190	19	23,0	**10/16**	10013250	**738.40**	10013124	**1'035.10**
125	299	19	28,0	**10/16**	10013251	**1'015.50**	10013165	**1'327.40**
150	210	19	36,0	**10/16**	10013252	**789.20**	10013170	**1'327.40**
200	230	24	63,0	**16**	10013253	**1'208.90**	10013220	**2'263.30**
250	250	27	99,0	**16**	10064484	**2'674.40**	10013226	**3'705.40**
300	270	27	63,0	**16**	10064483	**3'480.00**	10013229	**4'675.10**
400	310	32	290,0	**16**	10013236	**8'372.30**	10012201	**on request**
200	230	27	228,0	**10**	10013254	**1'659.50**	10013233	**2'097.50**
250	250	24	99,0	**10**	10013255	**2'939.00**	10013234	**3'419.80**
300	270	27	135,0	**10**	10013256	**3'797.70**	10013235	**4'280.70**
400	310	32	290,0	**10**	10013257	**9'530.50**	10012200	**on request**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | gas/biogas | DVGW

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW DIN 3230, Part 5, PG 3, EN 13774
Material:	gas (Fig. 5212) – body, upper section, wedge EN-JS1050 | spindle 1.4021 | spindle nut brass | natural rubber parts
	biogas (Fig. 5597) – body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 1023/5015

Figure 5212 Gas/**5597** Biogas EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Gas Part no.	Gas €	Biogas Part no.	Biogas €
40	240	14	8,5	**16**	10012650	**517.50**	10020835	**622.60**
50	250	14	9,5	**16**	10012915	**417.30**	10020836	**622.60**
65	270	17	15,0	**16**	10012984	**648.50**	10013260	**895.20**
80	280	17	19,0	**16**	10012985	**648.50**	10020837	**895.20**
100	300	19	23,5	**16**	10012986	**738.40**	10013261	**987.70**
125	325	19	30,5	**16**	10012992	**1'015.50**	10020838	**1'266.60**
150	350	19	38,5	**16**	10012993	**991.60**	10013262	**1'266.60**
200	400	24	66,5	**16**	10012994	**1'724.10**	10013263	**2'159.60**
250	450	27	112,0	**16**	10012995	**2'737.10**	10013264	**3'237.40**
300	500	27	157,0	**16**	10012996	**3'694.50**	10013265	**4'192.80**
400	600	32	320,0	**16**	10013010	**on request**	10012204	**on request**
200	400	27	66,5	**10**	10012997	**1'659.50**	10013266	**2'097.50**
250	450	24	112,0	**10**	10012998	**2'939.00**	10013267	**3'419.80**
300	500	27	157,0	**10**	10012999	**3'830.00**	10013268	**4'280.70**
400	600	32	320,0	**10**	10013006	**on request**	10012202	**on request**

ISOLATION VALVES

Fully protected gate valve, soft-seated PN 10
Installation length EN 558-1 | gas / biogas | PN 10 DVGW

Version:	with HDPE welding ends | soft-seated | with internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW DIN 3230, Part 5, PG 3, EN 13774
Material:	gas (Fig. 5461) – body, upper section, wedge EN-JS1050 | spindle 1.4021 | spindle nut brass | natural rubber parts biogas (Fig. 5651) – body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts welding ends HDPE 100 (SDR 11 black)
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 1023 / 5015

Figure 5461 Gas **/ 5651** Biogas EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Gas Part no.	Gas €	Biogas Part no.	Biogas €
080 / 090	771	17	21.5	**10 (5)**	10013511	**1'293.70**	10013464	**1'482.60**
100 / 110	770	19	26.3	**10 (5)**	10013512	**1'415.00**	10013465	**1'741.40**
100 / 125	886	19	26.8	**10 (5)**	10013513	**1'724.10**	10013466	**2'067.70**
125 / 140	906	19	33.5	**10 (5)**	10012325	**2'247.80**	10013467	**2'616.50**
125 / 160	926	19	33.9	**10 (5)**	10013503	**2'464.50**	10013470	**2'843.70**
150 / 160	956	19	45.2	**10 (5)**	10013504	**2'466.20**	10013473	**2'843.70**
150 / 180	1027	19	45.7	**10 (5)**	10013505	**2'677.10**	10013474	**3'064.20**
150 / 200	1105	19	47.0	**10 (5)**	10012326	**4'401.00**	10013476	**4'870.70**
200 / 225	1111	24	78.5	**10 (5)**	10013506	**4'465.10**	10020839	**5'199.20**
200 / 250	1053	24	80.0	**10 (5)**	10013507	**4'819.30**	10013498	**5'572.50**
250 / 280	1160	27	118.0	**10 (5)**	10013508	**7'949.40**	10013499	**8'837.30**
250 / 315	1160	27	120.0	**10 (5)**	10012327	**8'355.10**	10013500	**9'262.20**
300 / 315	1220	27	153.0	**10 (5)**	10013509	**12'745.10**	10013501	**13'863.30**
300 / 355	1260	27	155.0	**10 (5)**	10013510	**14'709.30**	10013502	**16'169.20**

Surcharge for version with ISO flange (prepared for actuator mounting), see Gate valve accessories

ISOLATION VALVES

House connection gate valve PN 16
Installation length M3 DIN 3202, Part 4 | wastewater

Version:	with threaded sockets | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut brass (CW617N) | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5586 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
20 (¾")	110	12	3,5	**16**	10012264	**435.90**
25 (1")	110	12	3,5	**16**	10019894	**536.80**
32 (1 ¼")	110	12	3,5	**16**	10019895	**541.30**
40 (1 ½")	120	12	4,0	**16**	10019896	**651.20**
50 (2")	140	12	5,0	**16**	10019897	**617.00**

Fully protected house connection gate valve PN 16
Wastewater

Version:	with HDPE welding ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut brass (CW617N) | natural rubber parts | welding end HDPE 100 black
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5587 EPOXY

DN / dR	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
25 / 32	110	12	3,5	**16**	10019898	**661.30**
32 / 40	110	12	3,5	**16**	10019899	**671.90**
40 / 50	110	12	3,5	**16**	10019900	**793.10**
50 / 63	120	12	4,0	**16**	10019901	**898.70**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1 series 14 (F4) | wastewater (liquid manure)

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5582 EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Part no.	€
40	140	14	8,0	**16**	10013596	**476.70**
50	150	14	9,0	**16**	10013597	**359.40**
65	170	17	14,0	**16**	10013598	**537.00**
80	180	17	18,0	**16**	10013599	**642.30**
100	190	19	23,0	**16**	10013600	**657.90**
125	200	19	28,0	**16**	10013601	**1'026.10**
150	210	19	36,0	**16**	10013602	**998.00**
200	230	24	63,0	**16**	10013603	**1'937.80**
250	250	27	99,0	**16**	10013604	**2'956.10**
300	270	27	135,0	**16**	10013605	**3'917.70**
400	310	32	290,0	**16**	10016710	**on request**
200	230	27	228,0	**10**	10013606	**1'888.20**
250	250	24	99,0	**10**	10013607	**2'947.90**
300	270	27	135,0	**10**	10013608	**3'785.40**
350	290	27	210,0	**10**	10013609	**8'140.40**
400	310	32	290,0	**10**	10013610	**8'634.50**
500	350	32	444,0	**10**	10013611	**14'851.00**
600	390	32	708,0	**10**	10013612	**24'381.50**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1, GR 14 (F4) | wastewater (liquid manure) connection for electric drive

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figur 5470A EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Part no.	€
40	140	14	8,0	**10/16**	10012320	**3'005.20**
50	150	14	9,0	**10/16**	10012446	**1'389.60**
65	170	17	14,0	**10/16**	10065156	**939.10**
80	180	17	18,0	**10/16**	10066102	**928.90**
100	190	19	23,0	**10/16**	10012447	**1'112.30**
125	200	19	28,0	**10/16**	10012457	**1'460.00**
150	210	19	36,0	**10/16**	10012458	**1'665.20**
200	230	24	63,0	**10**	10066101	**2'415.30**
250	250	27	99,0	**10**	10012459	**4'010.00**
300	270	27	135,0	**10**	10012460	**4'472.10**
350	290	27	235,0	**10**	10020855	**10'518.80**
400	310	32	299,0	**10**	10012470	**10'514.50**
500	350	32	444,0	**10**	10020856	**on request**
600	390	32	708,0	**10**	10012475	**on request**
200	230	24	63,0	**16**	10066107	**3'195.10**
250	250	27	99,0	**16**	10066108	**4'226.90**
300	270	27	135,0	**16**	10066100	**4'514.50**

Gate valve for waste water prepared for electric drive with overall length GR15 (F5) – on request.

Drive assignment

DN		
40 to 50	F10	SA 07.6
65 to 150	F10	SA 10.2
200 to 300	F14	SA 14.2
350 to 400	F14	SA 14.6
500 to 600	F16	SA 16.2

ISOLATION VALVES

Fully protected gate valve PN 10/16
Wastewater (liquid manure)

Version:	with HDPE welding ends | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5588 EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Part no.	€
80/90	711	14	21,5	**16**	10012270	**1'168.70**
100/110	766	14	26,3	**16**	10012331	**1'362.10**
100/125	866	17	26,8	**16**	10012332	**1'487.50**
125/140	909	17	33,5	**16**	10012391	**1'911.80**
125/160	926	19	33,9	**16**	10012395	**2'190.90**
150/160	956	19	45,2	**16**	10012396	**2'326.60**
150/180	210	19	45,7	**16**	10012397	**2'456.80**
150/200	1027	24	47,0	**16**	10012398	**2'554.30**
200/225	1105	27	78,5	**16**	10022096	**3'765.60**
200/250	1111	27	80,0	**16**	10012400	**4'347.80**
250/280	1053	27	118,0	**16**	10012401	**5'515.50**
250/315	1160	24	120,0	**16**	10012402	**6'150.00**
300/315	1220	27	153,0	**16**	10012403	**7'386.40**
300/355	1260	27	155,0	**16**	10012404	**7'556.40**

ISOLATION VALVES

Fully protected gate valve, soft-seated PN 10/16
Installation length EN 558-1 series 15 (F5) | wastewater (liquid manure)

Version:	with flanges to DIN EN 1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5598 EPOXY

DN	L mm	Sp □ DIN-No.	kg	PN bar	Part no.	€
40	240	14	8,5	**16**	10013613	**378.00**
50	250	14	9,5	**16**	10013614	**348.10**
65	270	17	15,0	**16**	10013615	**500.10**
80	280	17	19,0	**16**	10013616	**558.40**
100	300	19	23,3	**16**	10013617	**586.80**
125	325	19	30,5	**16**	10013618	**905.80**
150	350	19	38,5	**16**	10013619	**938.80**
200	400	24	66,5	**16**	10013620	**1'659.50**
250	450	27	112,0	**16**	10013621	**2'837.90**
300	500	27	157,0	**16**	10013622	**3'761.10**
350	550	27	280,0	**16**	10019840	**8'071.70**
400	600	32	290,0	**16**	10059138	**10'183.10**
500	700	32	530,0	**16**	10020815	**on request**
600	800	32	780,0	**16**	10020816	**on request**
200	400	24	66,5	**10**	10013623	**1'519.90**
250	450	27	112,0	**10**	10013624	**2'797.40**
300	500	27	157,0	**10**	10013625	**3'625.30**
350	550	27	280,0	**10**	10013626	**7'837.70**
400	600	32	290,0	**10**	10013627	**9'907.00**
500	700	32	530,0	**10**	10013628	**14'862.80**
600	800	32	780,0	**10**	10013629	**26'740.60**

ISOLATION VALVES

Fully protected gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | wastewater

Version:	with flanges to DIN EN 1092-2 | soft-seated | with internal spindle | medium-free spindle bearing | bypass line DN 50
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5247 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
400	600	32	330,0	**16**	10013378	**13'389.50**
500	700	36	540,0	**16**	10013391	**18'702.20**
600	800	36	790,0	**16**	10013393	**29'588.40**
400	600	32	310,0	**10**	10013377	**13'200.40**
500	700	36	540,0	**10**	10013390	**18'229.90**
600	800	36	790,0	**10**	10013392	**28'974.30**

Interchangeable and adjustable-length gate valve PN 10/16
Installation length EN 558-1 series 15 (F5) | wastewater (liquid manure)

Version:	with flanges to DIN EN1092-2 | soft-seated | internal spindle | medium-free spindle bearing
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, upper section, wedge EN-JS1050 | spindle 1.4571 | spindle nut bronze | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5271 EPOXY

DN	L mm	Sp □ DIN no.	kg	PN bar	Part no.	€
80	260 –20/+10	17	21,5	**16**	10013396	**1'103.10**
100	280 –20/+10	19	26,3	**16**	10013397	**1'189.90**
125	305 –20/+10	19	33,5	**16**	10013398	**1'776.70**
150	330 –20/+10	19	47,0	**16**	10013401	**1'620.80**
200	380 –20/+10	24	78,5	**16**	10012324	**2'515.90**
250	430 –20/+10	27	126,0	**16**	10013402	**5'036.20**
300	480 –20/+10	27	158,0	**16**	10013408	**6'337.60**
200	380 –20/+10	24	78,5	**10**	10013410	**2'449.90**
250	430 –20/+10	27	126,0	**10**	10013407	**5'197.30**
300	480 –20/+10	27	158,0	**10**	10013409	**5'994.50**

ISOLATION VALVES

Knife gate valve PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with hand wheel | non-rising spindle
Tests:	DIN EN 12266-1
Material:	body EN-GJS-400 | spindle 1.4571 | knife 1.4571 | spindle nut brass | retaining plates stainless steel | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 9240 EPOXY

DN	L mm	Hand wheel diameter mm	kg	max. operating pressure bar	Part no.	€
50	43	200	7,0	**10**	10011040	**598.80**
65	46	200	8,0	**10**	10011043	**598.80**
80	46	200	9,0	**10**	10011046	**630.00**
100	52	200	12,0	**10**	10011049	**640.20**
125	56	250	14,0	**10**	10011051	**685.90**
150	56	250	22,0	**10**	10000348	**993.90**
200	60	300	29,0	**10**	10019802	**1'270.90**
250	68	300	40,0	**10**	10019803	**2'614.90**
300	78	400	65,0	**10**	10019804	**3'133.80**
350	78	400	89,0	**8**	10019805	**6'337.30**
400	102	400	115,0	**8**	10019806	**4'865.00**
500	127	500	204,0	**6**	10019807	**9'897.70**
600	154	500	283,0	**6**	10019808	**12'261.30**

Knife gate valve PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with hand lever
Tests:	DIN EN 12266-1
Material:	body EN-GJS-400 | spindle, knife 1.4571 | spindle nut brass | retaining plates stainless steel | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 9241 EPOXY

DN	L mm	hand lever length mm	kg	max. operating pressure bar	Part no.	€
50	43	330	7,0	**2**	10019810	**1'939.30**
65	46	390	8,0	**2**	10019811	**2'002.60**
80	46	390	9,0	**2**	10019812	**2'041.30**
100	52	465	12,0	**2**	10019813	**2'048.30**
125	56	465	14,0	**2**	10019814	**2'372.10**
150	56	465	22,0	**2**	10011057	**2'883.80**

ISOLATION VALVES

Knife gate valve PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with chain wheel | non-rising spindle
Tests:	DIN EN 12266-1
Material:	body EN-GJS-400 | spindle, knife 1.4571 | spindle nut brass | retaining plates stainless steel | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 9244 EPOXY

DN	L mm	Chain wheel diameter mm	kg	max. operating pressure bar	Part no.	€
50	43	235	7,0	**10**	10019819	**1'208.60**
65	46	235	8,0	**10**	10019820	**1'236.40**
80	46	235	9,0	**10**	10019821	**1'315.90**
100	52	330	12,0	**10**	10019822	**1'408.50**
125	56	330	14,0	**10**	10019823	**1'539.20**
150	56	330	22,0	**10**	10019824	**1'908.60**
200	60	330	29,0	**10**	10019825	**2'632.20**
250	68	400	40,0	**10**	10019826	**3'342.70**
300	78	400	65,0	**10**	10019827	**4'630.50**
350	78	400	89,0	**8**	10019828	**6'983.30**

Wafer-style knife gate valve with ISO connection for electric drive PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with ISO connection for electric drive | rising spindle
Tests:	DIN EN 12266-1
Material:	body EN-GJS-400 | spindle 1.4571 | knife 1.4571 | retaining plates stainless steel | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 9245 EPOXY

DN	L mm	Flange ISO 5211	kg	max. operating pressure bar	Part no.	€
50	43	F10	7,0	**10**	10019829	**951.10**
65	46	F10	8,0	**10**	10019830	**1'015.50**
80	46	F10	9,0	**10**	10019831	**1'103.30**
100	52	F10	12,0	**10**	10019832	**1'468.50**
125	56	F10	14,0	**10**	10019834	**1'373.80**
150	56	F10	22,0	**10**	10022730	**1'775.50**
200	60	F10	29,0	**10**	10011085	**2'142.10**
250	68	F10	40,0	**10**	10019836	**3'024.80**
300	78	F10	65,0	**10**	10019837	**4'613.40**
350	78	F10	89,0	**8**	10011087	**7'416.80**
400	102	F14	115,0	**8**	10011090	**9'222.40**
500	127	F14	204,0	**6**	10019838	**11'144.40**
600	154	F14	283,0	**6**	10019839	**13'508.30**

ISOLATION VALVES

Knife gate valve PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with pneumatic drive (Festo)
Tests:	DIN EN 12266-1
Material:	body EN-GJS-400 | spindle 1.4571 | knife 1.4571 | retaining plates stainless steel | natural rubber parts
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 9242 EPOXY

DN	L mm	Installation height mm	kg	max. operating pressure bar	Part no.	€
50	43	430	7,0	**10**	10011059	**2'119.40**
65	46	471	8,0	**10**	10011062	**2'189.20**
80	46	509	9,0	**10**	10011064	**2'364.60**
100	52	563	12,0	**10**	10011067	**2'546.70**
125	56	635	14,0	**10**	10011069	**2'339.30**
150	56	769	22,0	**10**	10011072	**4'261.10**
200	60	921	29,0	**10**	10011075	**4'809.90**
250	68	1057	40,0	**10**	10011080	**5'687.60**
300	78	1200	65,0	**10**	10011082	**8'333.10**
350	78	1458	89,0	**8**	10019817	**12'495.30**
400	102	1609	115,0	**8**	10019818	**12'167.10**
500	127	1904	204,0	**6**	10013739	**on request**
600	154	2206	283,0	**6**	10013740	**on request**

Stainless steel knife gate valve PN 10
Installation length EN 558-1 series 20 (K1) | wastewater (liquid manure)

Version:	wafer-style | with flange connection dimensions to DIN EN1092-2 | soft-seated | with hand wheel | rising spindle with non-rising hand wheel
Tests:	DIN EN 12266-1
Material:	body 1.4408 | spindle and knife 1.4301 | retaining plates stainless steel | natural rubber parts
Surface protection:	–

Figure 9146

DN	L mm	Flange ISO 5211	kg	max. operating pressure bar	Part no.	€
100	52	674	12,0	**10**	10013741	**2'494.60**
125	56	729	14,0	**10**	10013742	**2'868.00**
150	56	799	22,0	**10**	10020830	**3'567.90**
200	60	928	29,0	**10**	10013743	**48'40.90**
250	68	1080	40,0	**10**	10013745	**6'794.40**
300	78	1129	65,0	**10**	10013746	**6'935.80**

PENSTOCKS

Stainless steel penstocks
PN 4 m H2O or 6 m H2O | wastewater

Version: version with straight seal | for dowel-mounting onto a shaft wall
Tests: –
Material: frame and knife in 1.4301 | anchor stainless steel | wall seal elastomer
Surface protection: –

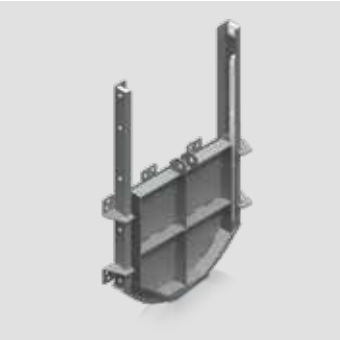
Figure 7252

DN	L mm	A dimension	kg	4 m H2O Part no.	4 m H2O €	6 m H2O Part no.	6 m H2O €
150	60	150 x 150	55,0	21006473	**on request**	21006575	**on request**
200	60	200 x 200	65,0	21006486	**on request**	21006576	**on request**
250	60	250 x 250	80,0	21006566	**on request**	21006577	**on request**
300	60	300 x 300	95,0	21006567	**on request**	21006578	**on request**
350	60	350 x 350	110,0	21006568	**on request**	21006579	**on request**
400	80	400 x 400	140,0	21006570	**on request**	21006580	**on request**
500	80	500 x 500	240,0	21006571	**on request**	21006581	**on request**
600	80	600 x 600	275,0	21006572	**on request**	21006582	**on request**
700	80	700 x 700	340,0	21006573	**on request**	21006583	**on request**
800	80	800 x 800	420,0	21006574	**on request**	21006584	**on request**

Stainless steel penstocks
PN 4 m H2O or 6 m H2O | wastewater

Version: version with round seal | for dowel-mounting onto a shaft wall
Tests: –
Material: frame and knife in 1.4575 | anchor stainless steel | wall seal elastomer
Surface protection: –

Figure 7252



DN	L mm	A dimension	kg	4 m H2O Part no.	4 m H2O €	6 m H2O Part no.	6 m H2O €
150	60	150 x 150	55,0	21006585	**on request**	21006595	**on request**
200	60	200 x 200	65,0	21006586	**on request**	21006596	**on request**
250	60	250 x 250	80,0	21006587	**on request**	21006597	**on request**
300	60	300 x 300	95,0	21006588	**on request**	21006598	**on request**
350	60	350 x 350	110,0	21006589	**on request**	21006599	**on request**
400	80	400 x 400	140,0	21006590	**on request**	21006600	**on request**
500	80	500 x 500	240,0	21006591	**on request**	21006601	**on request**
600	80	600 x 600	275,0	21006592	**on request**	21006602	**on request**
700	80	700 x 700	340,0	21006593	**on request**	21006603	**on request**
800	80	800 x 800	420,0	21006594	**on request**	21006604	**on request**

PENSTOCKS

Stainless steel penstocks
Wastewater

Version: for casting into a gully
Tests: -
Material: frame and knife in 1.43011 / 1.4571 | anchor stainless steel | wall seal elastomer
Surface protection: -

Figure 7253

DN	A dimension	kg	1.4301 Part no.	€	1.4571 Part no.	€
150	150 x 150	55,0	21006605	**on request**	21006615	**on request**
200	200 x 200	65,0	21006606	**on request**	21006616	**on request**
250	250 x 250	80,0	21006607	**on request**	21006617	**on request**
300	300 x 300	95,0	21006608	**on request**	21006618	**on request**
400	350 x 350	110,0	21006609	**on request**	21006619	**on request**
500	400 x 400	140,0	21006610	**on request**	21006620	**on request**
600	500 x 500	240,0	21006611	**on request**	21006621	**on request**
700	600 x 600	275,0	21006612	**on request**	21006622	**on request**
800	700 x 700	340,0	21006613	**on request**	21006623	**on request**
900	800 x 800	420,0	21006614	**on request**	21006624	**on request**

TAPPING CLAMP

Undrilled saddle PN 16
Water (drinking water, service water)

Version:	for cast iron, steel, AC pipe | for sealing bore holes on pipelines (max. 45 mm diameter)
Tests:	DIN-DVGW W 336 (P)
Material:	saddle EN-JS1050
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8364 EPOXY

DN	kg	PN bar	Part no.	€
65-400	2,2	**16**	10011213	**87.00**

TAPPING CLAMP

Tapping clamp PN 16
Water (drinking water, service water)

Version:	for cast iron, steel, AC pipe | with internal thread
Tests:	DIN-DVGW W 336 (P)
Material:	saddle EN-JS1050 | seals EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8361 EPOXY

DN		kg	PN bar	Part no.	€
65-400	1"	2,1	**16**	10011202	**122.80**
65-400	1 ¼"	2,3	**16**	10011205	**122.80**
65-400	1 ½"	2,4	**16**	10011207	**122.80**
65-400	2"	2,5	**16**	10011210	**122.80**

(use bracket figure 8301)

Tapping clamp KH 200 GR PN 16
Installation dimensions in accordance with DIN 3543 Form A and Form B \| water (drinking water, service water)

Version:	for cast iron, steel and AC pipe | valve tapping fitting without ISOLATION
Tests:	DIN-DVGW W 336 (P)
Material:	saddle spheroidal graphite cast iron | seals EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5958 EPOXY

DN	Version	kg	PN bar	Part no.	€
80-500	Blind	2,6	**16**	10049417	**104.00**
80-500	¾"	2,6	**16**	10053959	**124.20**
80-500	1"	2,6	**16**	10049421	**124.00**
80-500	1 ¼"	2,6	**16**	10049419	**103.20**
80-500	1 ½"	2,6	**16**	10049418	**132.50**
80-500	2"	2,6	**16**	10049422	**132.50**

(use bracket figure 5961)

VALVE TAPPING SADDLES

Valve tapping saddle PN 16
Water (drinking water, service water)

Version:	for cast iron, steel, AC pipe | valve tapping saddle with internal thread 1 ½ (max. hole size = 31 mm) or 2" (max hole size = 36 resp. 45 mm) | valve can be pivoted by 45° on both sides
Tests:	DIN-DVGW W 336 (P)
Material:	saddle EN-JS1050 | angle valve 1 ½" CW724R (lead-free) | angle valve 2" (CW617N) | spindle 1.4021 | seals EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8300 EPOXY

DN	Rp	max. hole size mm	Sp □ DIN no.	Auxiliary valve	kg	PN bar	Part no.	€
65-400	**1 ½"**	31	12	Union	5,0	**16**	10007522	**312.60**
65-400	**1 ½"**	31	12	Bulb	5,0	**16**	10007523	**307.00**
65-400	**2"**	45	12	Ball	5,5	**16**	10007544	**464.90**
65-400	**2"**	36	12	Ball	5,5	**16**	10020765	**757.10**

(use bracket figure 8301)

VALVE TAPPING SADDLES

Valve tapping saddle for cast iron, steel, AC pipe PN 16
Water (drinking water, service water)

Version:	for cast iron, steel, AC pipe | valve tapping saddle with internal thread 1 ½" (max. hole size = 31 mm) | valve can be pivoted by 45° on both sides | with integrated ball ISOLATION
Tests:	DIN-DVGW W 336 (P)
Material:	saddle EN-JS1050 | angle valve 1 ½" CW724R (lead-free) | spindle 1.4021 | seals EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8399 EPOXY

DN	max. hole size mm	Sp □ DIN no.	Auxiliary valve	kg	PN bar	Part no.	€
65-400	31	12	not necessary	5,0	**16**	10019908	**734.90**

(use bracket figure 8301)

FLEXIBLE STAINLESS STEEL CLAMP

Stainless steel clamp for valve tapping fittings PN16
Water (drinking water, service water)

Version: for cast iron, steel, AC pipe | 90 mm wide | flexible stainless steel clamp with threaded mounting for hexagon head screw | joint pieces and rubber insert

Material: clamp passivated stainless steel | joint pieces polyamide | screws chromated stainless steel | seal EPDM

Figure 8301

DN	Pipe dimensions (external diameter) Cast iron	Asbestos-cement pipe	Steel	Clamping range	kg	PN bar	Part no.	€
65	82	83-85	76,1	76-85	1,0	**16**	10019778	**118.70**
80	98	98-104	88,9	88-108	1,0	**16**	10007504	**116.50**
100	118	118-130	114,3/108	108-130	1,0	**16**	10007449	**121.40**
125	144	145-159	139,7/133	133-159	1,0	**16**	10000671	**134.70**
150	170	172-182	168,3/159	159-182	1,2	**16**	10007503	**133.50**
150	–	190	–	183-198	1,2	**16**	10007412	**141.80**
200	222	226-240	219,1/216	216-240	1,3	**16**	10007502	**146.40**
200	–	252	–	245-258	1,3	**16**	10011219	**158.60**
250	274	278-296	237/267	267-296	1,4	**16**	10007501	**182.80**
300	–	–	318	298-318	1,5	**16**	10007500	**209.50**
300	326	334-342	323,9	324-342	1,5	**16**	10011221	**216.50**
300	–	352-368	–	352-368	1,5	**16**	10011223	**210.60**
350	–	–	355/368	352-368	1,8	**16**	10013737	**221.20**
350	378	388	–	372-394	1,8	**16**	10013738	**243.70**
350	–	400-410	–	399-410	2,0	**16**	10013747	**238.40**
350	429	–	419	419-432	2,0	**16**	10013748	**295.70**
400	–	456-470	–	456-470	2,0	**16**	10013749	**442.20**
400	–	488	–	485-490	2,0	**16**	10013750	**553.90**

FLEXIBLE STAINLESS STEEL CLAMP

Stainless steel clamp GR 220 for valve tapping fittings PN16 – suitable for Great Range clamps Figure 5958 KH220
Water (drinking water, service water)

Version: for cast iron, steel, AC pipe | 60 mm wide | flexible stainless steel clamp with threaded mounting for hexagon head screw | joint pieces and rubber insert

Material: clamp stainless steel | joint pieces polyamide | screws stainless steel | seal EPDM | natural rubber insert

Figure 5961

DN	Pipe dimensions (external diameter) Cast iron	Asbestos-cement pipe	Steel	Clamping range	kg	PN bar	Part no.	€
80	98	98-104	88,9	85-105	0,8	**16**	10053273	**99.00**
100	118	118-130	114,3/108	105-130	0,8	**16**	10053514	**103.50**
125	144	145-159	139,7/133	130-155	1,3	**16**	10053274	**112.30**
150	170	172-182	168,3/159	155-185	1,3	**16**	10053513	**110.90**
175	–	190	–	185-215	1,5	**16**	10053952	**107.90**
200	222	226-240	219,1/216	215-245	1,5	**16**	10053538	**122.80**
225	–	252	–	245-275	1,6	**16**	10053275	**119.70**
250	274	278-296	237/267	275-300	1,6	**16**	10053953	**131.60**
275	–	–	318	300-330	1,8	**16**	10053276	**116.90**
300	326	334-342	323,9	330-360	1,9	**16**	10053277	**128.60**
350	378	352-388	355/268	350-395	1,9	**16**	10053954	**135.90**
400	429	410-450	419	406-440	2,1	**16**	10053955	**146.40**
450	–		–	470-505	2,3	**16**	10053956	**178.90**
500	532	564-606	–	508-542	3,2	**16**	10053957	**181.90**

VALVE TAPPING SADDLES

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version:	for PVC and HDPE pipe | valve tapping saddle with internal thread 1 ½" | valve can be pivoted by 45° on both sides | without hole cutter
Tests:	DIN-DVGW W 336 (P)
Material:	tapping clamp plastic | angle valve 1 ½" CW724R (lead-free) | spindle 1.4021 | seals EPDM, W 270

Figure 8302

DN	max. hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
40 / 50	24	1 ½"	Union	2,3	**10**	10010879	**281.40**
50 / 63	31	1 ½"	Union	2,4	**10**	10019913	**304.40**
65 / 75	31	1 ½"	Union	2,5	**10**	10019914	**287.50**
80 / 90	31	1 ½"	Union	2,5	**10**	10019915	**308.20**
100 / 110	31	1 ½"	Union	2,7	**10**	10019916	**324.70**
100 / 125	31	1 ½"	Union	2,7	**10**	10019917	**324.10**
125			Union		**10**	10019918	**369.00**
150 / 160	31	1 ½"	Union	3,0	**10**	10019919	**380.30**
150 / 180	31	1 ½"	Union	4,0	**10**	10019920	**551.90**
200 / 200	31	1 ½"	Union	4,1	**10**	10019921	**591.80**
200 / 225	31	1 ½"	Union	4,2	**10**	10019922	**620.90**
250 / 250	31	1 ½"	Union	5,7	**10**	10019923	**611.80**
250 / 280	31	1 ½"	Union	5,8	**10**	10019924	**704.20**
300 / 315	31	1 ½"	Union	6,0	**10**	10019925	**710.60**
80 / 90	44	2"		4,0	**10**	10020619	**415.50**
100 / 110	44	2"		4,0	**10**	10020620	**415.50**
100 / 125	44	2"		4,3	**10**	10020702	**384.10**
125 / 140	44	2"		4,5	**10**	10020703	**395.10**
150 / 160	44	2"		4,5	**10**	10020704	**470.20**
150 / 180	44	2"		4,5	**10**	10020705	**594.70**
200 / 200	44	2"		5,0	**10**	10020710	**629.10**
200 / 225	44	2"		5,0	**10**	10020758	**639.70**
250 / 250	44	2"		5,0	**10**	10020759	**717.00**
250 / 280	44	2"		5,5	**10**	10020763	**794.30**
300 / 315	44	2"		6,0	**10**	10020764	**794.30**

VALVE TAPPING SADDLES

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version: for PVC and HDPE pipe | valve tapping saddle with internal thread 1 ½" | valve can be pivoted by 45° on both sides | with hole cutter
Tests: DIN-DVGW W 336 (P)
Material: tapping clamp plastic | angle valve 1 ½" CW724R (lead-free) | hole cutter brass | spindle 1.4021 | seals EPDM, W 270

Figure 8303

DN	Hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
40/50	24	1 ½"		3,0	**10**	10007410	**275.70**
50/63	30	1 ½"		3,0	**10**	10007524	**281.40**
65/75	30	1 ½"		3,2	**10**	10019927	**281.90**
80/90	30	1 ½"		3,4	**10**	10007525	**305.30**
100/110	30	1 ½"		3,5	**10**	10007526	**312.60**
100/125	30	1 ½"		4,0	**10**	10007527	**315.20**
125/140	30	1 ½"		4,4	**10**	10019928	**359.70**
150/160	30	1 ½"		4,8	**10**	10007528	**367.00**

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version: for PVC and HDPE pipe | valve tapping saddle with internal thread 2" | valve can be pivoted by 45° on both sides | with hole cutter
Tests: DIN-DVGW W 336 (P)
Material: tapping clamp plastic | angle valve 2" CW617N (brass) | hole cutter brass | spindle 1.4021 | seals EPDM, W 270

Figure 8303

DN	Hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
80/90	44	2"	N/A	4,0	**10**	10007533	**539.30**
100/110	44	2"	N/A	4,0	**10**	10007534	**509.20**
100/125	44	2"	N/A	4,3	**10**	10020052	**607.80**
125/140	44	2"	N/A	4,5	**10**	10020053	**459.10**
150/160	44	2"	N/A	4,5	**10**	10007535	**453.70**
150/180	44	2"	N/A	4,5	**10**	10020054*	**652.50**
200/200	44	2"	N/A	5,0	**10**	10007536*	**742.20**
200/225	44	2"	N/A	5,0	**10**	10007537*	**751.40**
250/250	44	2"	N/A	5,0	**10**	10020055*	**805.40**
250/280	44	2"	N/A	5,5	**10**	10020056*	**944.60**
300/315	44	2"	N/A	6,0	**10**	10007538*	**866.30**

from DN 150/180, not suitable for PVC due to pipe stresses; please refer to Figure 8302
HDPE pipes with max. wall thickness 18 mm

VALVE TAPPING SADDLES

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version: for weldinging onto HDPE pipe | valve tapping saddle with internal thread 1 ½" | valve can be pivoted by 45° on both sides | without hole cutter
Tests: DIN-DVGW W 336 (P)
Material: connecting clamp PE 100 | angle valve 1 ½" CW724R (lead-free) | spindle 1.4021 | seals EPDM, W 270

Figure 8304

DN	max. hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
50/63	30	1 1/2"	Union	3,1	**16**	10019933	**447.20**
65/75	30	1 1/2"	Union	3,1	**16**	10019934	**472.20**
80/90	30	1 1/2"	Union	3,3	**16**	10019935	**402.20**
100/110	30	1 1/2"	Union	3,5	**16**	10019936	**528.20**
100/125	30	1 1/2"	Union	3,6	**16**	10019937	**452.00**
125/140	30	1 1/2"	Union	4,1	**16**	10019938	**624.90**
150/160	30	1 1/2"	Union	4,5	**16**	10019939	**635.50**
150/180	30	1 1/2"	Union	4,9	**16**	10019940	**658.40**
200/200	30	1 1/2"	Union	5,1	**16**	10019941	**710.60**
200/225	30	1 1/2"	Union	5,4	**16**	10019942	**768.50**
250/250	30	1 1/2"	Union	5,5	**16**	10019943	**910.30**
250/280	30	1 1/2"	Union	5,7	**16**	10019944*	**1'049.50**
300/315-400	30	1 1/2"	Union	5,9	**16**	10019945*	**1'022.00**

*__Attention:__ saddle has no bottom shell;
to welding on, it is necessary to use the TOP-Load clamping tool 799.350.475 manufactured by GF

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version: for weldinging onto HDPE pipe | valve tapping saddle with internal thread 2" | valve can be pivoted by 45° on both sides | without hole cutter
Tests: DIN-DVGW W 336 (P)
Material: connecting clamp PE 100 | angle valve 2" CW617N (brass) | spindle 1.4021 | seals EPDM, W 270

Figure 8307

DN	max. hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
65/75	44	2"	Ball	3,2	**16**	10020005	**838.70**
80/90	44	2"	Ball	3,3	**16**	10020010	**895.20**
100/110	44	2"	Ball	3,5	**16**	10020011	**912.10**
100/125	44	2"	Ball	3,6	**16**	10020012	**995.40**
125/140	44	2"	Ball	4,1	**16**	10020013	**925.40**
150/160	44	2"	Ball	4,5	**16**	10020015	**1'037.10**
150/180	44	2"	Ball	4,9	**16**	10020016	**1'086.40**
200/225	44	2"	Ball	5,1	**16**	10020017	**1'284.00**
250/400	44	2"	Ball	5,1	**16**	10020018*	**1'242.90**

*__Attention:__ saddle has no bottom shell;
to welding on, it is necessary to use the clamping tool 4400006 manufactured by Plasson

VALVE TAPPING SADDLES

Valve tapping saddle PN 10/16
Water | (drinking water, service water)

Version:	for weldinging onto HDPE pipe | valve tapping saddle with internal thread 1 1/2" bzw. 2" | valve can be pivoted by 45° on both sides | with hole cutter
Tests:	DIN-DVGW W 336 (P)
Material:	connecting clamp PE 100 | angle valve 1 1/2" CW724R (lead-free) | angle valve 2" CW617N (brass) | hole cutter brass | spindle 1.4021 | seals EPDM, W 270

Figure 8305

DN	Hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
50/63	30	1 ½"	N/A	3,1	**16**	10020057	**528.50**
65/75	30	1 ½"	N/A	3,1	**16**	10020058	**472.50**
80/90	30	1 ½"	N/A	3,3	**16**	10020059	**551.60**
100/110	30	1 ½"	N/A	3,5	**16**	10020060	**592.70**
100/125	30	1 ½"	N/A	3,6	**16**	10020061	**604.70**
125/140	30	1 ½"	N/A	4,1	**16**	10020062	**738.40**
150/160	30	1 ½"	N/A	4,5	**16**	10020063	**665.80**
150/180	30	1 ½"	N/A	4,9	**16**	10020064	**668.90**
200/200	30	1 ½"	N/A	5,1	**16**	10020065*	**712.70**
200/225	30	1 ½"	N/A	5,4	**16**	10020066*	**810.50**
65/75	44	2"	N/A	3,2	**16**	10020557	**828.70**
80/90	44	2"	N/A	3,3	**16**	10020558	**838.40**
100/110	44	2"	N/A	3,5	**16**	10020559	**888.40**
100/125	44	2"	N/A	3,6	**16**	10020560	**970.90**
125/140	44	2"	N/A	4,1	**16**	10020561	**997.70**
150/160	44	2"	N/A	4,5	**16**	10020562	**1'061.90**
150/180	44	2"	N/A	4,9	**16**	10020564	**1'111.30**

* max. wall thickness of HDPE pipe 22.5 mm

VALVE TAPPING SADDLES

Valve tapping saddle PN 16
Water | (drinking water, service water)

Version:	for weldinging onto HDPE pipe | valve can be pivoted by 45° on both sides | with hole cutter
Tests:	DIN-DVGW W 336 (P)
Material:	connecting clamp PE 100 | angle valve 1 ½" CW724R (lead-free) | spindle 1.4021 | seals EPDM, W 270

Figur 8359

DN	Hole size mm	Exit mm	Auxiliary valve	kg	PN bar	Part no.	€
50/63	30	32	not required	3,1	**16**	10011093	**509.20**
65/75	30	32	not required	3,1	**16**	10011095	**513.40**
80/90	30	32	not required	3,3	**16**	10011101	**535.30**
100/110	30	32	not required	3,5	**16**	10011103	**572.30**
100/125	30	32	not required	3,6	**16**	10011106	**634.90**
125/140	30	32	not required	4,1	**16**	10011108	**681.40**
150/160	30	32	not required	4,5	**16**	10011109	**688.20**
150/180	30	32	not required	4,9	**16**	10011111	**700.60**
200/200	30	32	not required	5,1	**16**	10011112	**740.00**
200/225	30	32	not required	5,4	**16**	10020078*	**892.50**
50/63	30	40	not required	3,1	**16**	10011122	**544.80**
65/75	30	40	not required	3,1	**16**	10011124	**544.80**
80/90	30	40	not required	3,3	**16**	10011127	**576.30**
100/110	30	40	not required	3,5	**16**	10011129	**556.30**
100/125	30	40	not required	3,6	**16**	10011132	**659.50**
125/140	30	40	not required	4,1	**16**	10011134	**711.30**
150/160	30	40	not required	4,5	**16**	10011137	**740.00**
150/180	30	40	not required	4,9	**16**	10011139	**812.90**
200/200	30	40	not required	5,1	**16**	10011142	**765.90**
200/225	30	40	not required	5,4	**16**	10020130*	**864.40**

* max. wall thickness of HDPE pipe 22.5 mm

VALVE TAPPING SADDLES

Valve tapping saddle PN 16
Water | (drinking water, service water)

Version:	for weldinging onto HDPE pipe | valve can be pivoted by 45° on both sides | with hole cutter
Tests:	DIN-DVGW W 336 (P)
Material:	connecting clamp PE 100 | angle valve 1 ½" CW724R (lead-free) | spindle 1.4021 | seals EPDM, W 270

Figur 8359

DN	Hole size mm	Exit mm	Auxiliary valve	kg	PN bar	Part no.	€
65/75	44	50	not required	3,1	**16**	10020780	**875.40**
80/90	44	50	not required	3,3	**16**	10020782	**904.90**
100/110	44	50	not required	3,5	**16**	10020783	**925.70**
100/125	44	50	not required	3,6	**16**	10020785	**1'132.00**
125/140	44	50	not required	4,1	**16**	10020786	**1'022.60**
150/160	44	50	not required	4,5	**16**	10014720	**1'107.10**
150/180	44	50	not required	4,9	**16**	10020787	**1'144.40**
200/200	44	50	not required	5,1	**16**	10020788	**1'446.00**
200/225	44	50	not required	5,4	**16**	10020790*	**1'342.30**
65/75	44	63	not required	3,1	**16**	10020804	**1'144.40**
80/90	44	63	not required	3,3	**16**	10020805	**1'198.30**
100/110	44	63	not required	3,5	**16**	10020806	**913.20**
100/125	44	63	not required	3,6	**16**	10020808	**1'194.10**
125/140	44	63	not required	4,1	**16**	10020811	**1'022.60**
150/160	44	63	not required	4,5	**16**	10020819	**1'193.40**
150/180	44	63	not required	4,9	**16**	10020821	**1'213.40**
200/200	44	63	not required	5,1	**16**	10020822	**1'264.10**
200/225	44	63	not required	5,4	**16**	10020823*	**1'342.30**

* max. wall thickness of HDPE pipe 22.5 mm

VALVE TAPPING SADDLES

Valve tapping saddle PN 10
Water | (drinking water, service water)

Version:	for weldinging onto HDPE pipe | valve tapping saddle with internal thread 1 1/2" bzw. 2" | valve can be pivoted by 45° on both sides | with hole cutter
Tests:	DIN-DVGW W 336 (P)
Material:	Cast iron tapping clamp with elastomer insert | Brass corner valve | spindle 1.4021 | seals EPDM, W 270

Figur 8329 EPOXY

DN	Hole size mm	Outlet	Auxiliary valve	kg	PN bar	Part no.	€
80/90	30	1 ½"	not required	3,4	**10**	10064485	**659.90**
100/110	30	1 ½"	not required	3,5	**10**	10020157	**677.70**
150/160	30	1 ½"	not required	4,8	**10**	10020207	**695.10**
200/225	30	1 ½"	not required	5,4	**10**	10020208	**904.60**
80/90	44	2"	not required	3,4	**10**	10066096	**818.50**
100/110	44	2"	not required	3,5	**10**	10066097	**949.40**
125/140	44	2"	not required	4,4	**10**	10066098	**952.30**
150/160	44	2"	not required	4,8	**10**	10066099*	**907.80**
200/225	44	2"	not required	5,4	**10**	10066103*	**1'022.60**
250/280	44	2"	not required	5,8	**10**	10014493*	**1'362.70**
300/315	44	2"	not required	6,0	**10**	10014494*	**1'610.10**

* From DN 150/180 not suitable for PVC due to pipe stresses, please use Figure 8302.
HDPE pipes with max. wall thickness 18 mm

NON-RETURN VALVES

Non-return valve 5000 PN 16
Installation length in accordance with EN 558-1 series 14 (F4) | water (drinking water, service water) | wastewater

Version:	with flanges to DIN EN 1092-2 | swing check valve with internal hinge pin | spring-assisted closing
Tests:	DIN EN 12266-1, EN 1074
Material:	body, cover EN-JS1050 | spring X20Cr13 (1.4021) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5200 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	150	Basic specification	8,0	**16**	10013761	**829.60**
65	170	Basic specification	10,5	**16**	10013762	**1'030.30**
80	180	Basic specification	12,5	**16**	10013763	**1'010.20**
100	190	Basic specification	15,5	**16**	10013764	**1'276.90**
125	200	Basic specification	19,5	**16**	10013765	**1'713.10**
150	210	Basic specification	23,3	**16**	10013766	**1'684.00**

Figure 5206 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	150	with lifting device	8,5	**16**	10022731	**1'264.50**
65	170	with lifting device	11,0	**16**	10013773	**1'300.80**
80	180	with lifting device	13,0	**16**	10013774	**1'354.70**
100	190	with lifting device	16,0	**16**	10013775	**1'556.60**
125	200	with lifting device	20,0	**16**	10013776	**1'906.40**
150	210	with lifting device	24,0	**16**	10013777	**2'304.10**

NON-RETURN VALVES

Non-return valve 5000 PN 16
Installation length in accordance with EN 558-1 series 14 (F4) | water (drinking water, service water) | wastewater

Version:	with flanges to DIN EN 1092-2 | swing check valve with internal hinge pin | spring-assisted closing | Figure 5303 with pump protection sensor 10-36 V DC | Figure 5304 with pump protection sensor 20-250 V AC/DC
Tests:	DIN EN 12266-1, EN 1074
Material:	body, cover EN-JS1050 | spring X20Cr13 (1.4021) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5204 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	150	with pump protection sensor	8,5	**16**	10013767	**on request**
65	170	with pump protection sensor	11,0	**16**	10013768	**on request**
80	180	with pump protection sensor	13,0	**16**	10013769	**on request**
100	190	with pump protection sensor	16,0	**16**	10013770	**on request**
125	200	with pump protection sensor	20,0	**16**	10013771	**on request**
150	210	with pump protection sensor	24,0	**16**	10013772	**on request**

with other pump protection sensor on request

NON-RETURN VALVES

Non-return valve 5000 PN 16
Installation length in accordance with EN 558-1 series 48 (F6) | water (drinking water, service water) | wastewater

Version:	with flanges to DIN EN 1092-2 | swing check valve with internal hinge pin | spring-assisted closing
Tests:	DIN EN 12266-1, EN 1074
Material:	body, cover EN-JS1050 | spring X20Cr13 (1.4021) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5283 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	200	Basic specification	9,0	**16**	10011366	**807.40**
65	240	Basic specification	12,5	**16**	10011369	**862.00**
80	260	Basic specification	14,5	**16**	10011372	**1'006.70**
100	300	Basic specification	17,5	**16**	10011374	**1'192.40**
125	350	Basic specification	24,5	**16**	10011377	**1'582.50**
150	400	Basic specification	30,5	**16**	10011380	**1'775.20**

Note: with internal bypass *without internal bypass

Figure 5286 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	200	with lifting device	9,5	**16**	10011394	**1'273.10**
65	240	with lifting device	13,0	**16**	10011396	**1'315.90**
80	260	with lifting device	15,0	**16**	10011398	**1'361.20**
100	300	with lifting device	18,0	**16**	10011407	**1'526.50**
125	350	with lifting device	19,5	**16**	10011410	**1'998.70**
150	400	with lifting device	31,0	**16**	10011412	**2'069.60**

Note: with internal bypass *without internal bypass

NON-RETURN VALVES

Non-return valve 5000 PN 16
Installation length in accordance with EN 558-1 series 48 (F6) | water (drinking water, service water) | wastewater

Version:	with flanges to DIN EN 1092-2 | swing check valve with internal hinge pin | spring-assisted closing | Figure 5285 with pump protection sensor 20-250 V AC/DC
Tests:	DIN EN 12266-1, EN 1074
Material:	body, cover EN-JS1050 | spring X20Cr13 (1.4021) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5285 EPOXY

DN	L mm	Version	kg	PN bar	Part no	€
50	200	with pump protection sensor	9,5	**16**	10011383	**1'328.90**
65	240	with pump protection sensor	13,0	**16**	10011385	**1'443.70**
80	260	with pump protection sensor	15,0	**16**	10011388	**1'425.30**
100	300	with pump protection sensor	18,0	**16**	10011391	**1'610.10**
125	350	with pump protection sensor	19,5	**16**	10014492	**1'903.80**
150	400	with pump protection sensor	31,0	**16**	10011393	**2'133.80**

Other pump protection sensor on request
Note: with internal bypass *without internal bypass

NON-RETURN VALVES

Non-return valve PN 10/16
Installation length in accordance with EN 558-1 series 14 (F4) | series 15 (F5) | series 48 (F6) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | swing check valve with internal hinge pin | spring-assisted closing | full-port opening
Tests:	DIN EN 12266-1, EN 1074
Material:	body, cover EN-JS 1030 | spring X20Cr13 (1.4021) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | internally and externally enamelled in cobalt blue

Figure 5390 EPOXY / **5391** ENAMEL

DN	L mm		kg	PN bar	EPOXY Part no.	EPOXY €	ENAMEL Part no.	ENAMEL €
80	280	F5	10,5	**16**	10048844	**504.00**	10048865	**549.50**
80	260	F6	16,0	**16**	10048857	**500.10**	10051811	**549.50**
100	190	F4	12,0	**16**	10048852	**591.30**	10051185	**1'096.50**
100	300	F5	19,5	**16**	10048862	**572.30**	10048866	**644.70**
100	300	F6	21,0	**16**	10048845	**549.80**	10048846	**644.70**
125	350	F6	38,5	**16**	10048858	**1'582.70**	10050114	**1'458.50**
150	350	F5	41,0	**16**	10048867	**1'600.10**	10048863	**1'481.90**
150	400	F6	43,0	**16**	10048859	**1'379.80**	10049970	**1'446.00**
200	400	F5	80,0	**16**	10042973	**2'562.60**	10044021	**2'788.00**
200	500	F6	85,0	**16**	10048869	**2'695.40**	10044022	**2'797.40**
250	600	F6	125,0	**16**	10043554	**3'600.80**	10044023	**3'968.60**
300	700	F6	184,0	**16**	10051658	**3'761.40**	10044024	**4'138.70**
200	400	F5	80,0	**10**	10048868	**1'773.30**	10043492	**2'788.00**
200	500	F6	85,0	**10**	10048847	**2'912.60**	10048860	**2'797.40**
250	600	F6	125,0	**10**	10050067	**3'600.80**	10051255	**3'968.60**
300	700	F6	184,0	**10**	10048848	**3'761.40**	10048861	**4'138.70**

Pump protection sensor on request

NON-RETURN VALVES

Non-return valve PN 10/16
Installation length in accordance with EN 558-1 series 48 (F6) | water (drinking water, service water) | wastewater

Version:	with flanges to DIN EN 1092-2 | soft-seated | with lever and weight
Tests:	DIN EN 112266-1, EN 1074
Material:	body, cover, valve disc EN-JS1050 | body seat, locking ring stainless steel | hinge pin bearing bronze | sealing ring EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5593 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
50	200	soft-seated	17,0	**16**	10011003	**870.30**
65	240	soft-seated	28,0	**16**	10019980	**1'026.10**
80	260	soft-seated	30,0	**16**	10019981	**1'253.00**
100	300	soft-seated	38,0	**16**	10011008	**1'393.70**
125	350	soft-seated	54,0	**16**	10019982	**2'082.40**
150	400	soft-seated	71,0	**16**	10019983	**2'522.10**
200	500	soft-seated	125,0	**10**	10019984	**5'031.30**
250	600	soft-seated	160,0	**10**	10019985	**6'103.30**
300	700	soft-seated	210,0	**10**	10019986	**6'958.50**

Non-return valve 5000 PN 10
Installation length in accordance with EN 558-1 series 14 (F6) | wastewater

Version:	with flanges to DIN EN 1092-2 | swing check valve with internal valve disc with slanted seat
Tests:	DIN EN 12266-1, EN 1047
Material:	body, cover EN-JS1050 | natural rubber valve disc
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5287 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
200	500	with lifting device	94,0	**10**	10019987	**3'406.70**
250	600	with lifting device	131,0	**10**	10013471	**3'609.10**
300	700	with lifting device	175,0	**10**	10019988	**7'466.20**

TILTING DISC CHECK VALVE

Tilting disc check valve PN 10/16
Installation length in accordance with EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | with lever and weight | soft-seated
Tests:	DIN EN 12266-1, EN 1074
Material:	body and valve disc EN-JS1050 | body seat, locking ring stainless steel | hinge pin bearing bronze | sealing ring EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5345 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
150	210	soft-seated	36,0	**16**	10013238	**on request**
200	230	soft-seated	50,0	**16**	10013239	**on request**
250	250	soft-seated	70,0	**16**	10013240	**on request**
300	270	soft-seated	110,0	**16**	10013241	**on request**
350	290	soft-seated	145,0	**16**	21022655	**on request**
400	310	soft-seated	180,0	**16**	21007514	**on request**
450	330	soft-seated	240,0	**16**	21007515	**on request**
500	350	soft-seated	280,0	**16**	21007516	**on request**
600	390	soft-seated	410,0	**16**	21007517	**on request**
700	430	soft-seated	540,0	**16**	21007518	**on request**
800	470	soft-seated	680,0	**16**	21007519	**on request**
200	230	soft-seated	50,0	**10**	10019902	**on request**
250	250	soft-seated	70,0	**10**	10019903	**on request**
300	270	soft-seated	110,0	**10**	10013242	**on request**
350	290	soft-seated	145,0	**10**	10019904	**on request**
400	310	soft-seated	180,0	**10**	10019905	**on request**
450	330	soft-seated	240,0	**10**	21007521	**on request**
500	350	soft-seated	280,0	**10**	10013243	**on request**
600	390	soft-seated	410,0	**10**	21007522	**on request**
700	430	soft-seated	540,0	**10**	10013244	**on request**
800	470	soft-seated	680,0	**10**	21007523	**on request**

Caution: Back pressure min. 1 bar required

TILTING DISC CHECK VALVE

Tilting disc check valve PN 10/16
Installation length in accordance with EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | with lever and weight | hydraulic oil brake
Tests:	DIN EN 12266-1, EN 1074
Material:	body and valve disc EN-JS1050 | body seat, locking ring stainless steel | bush, guide rod bronze | sealing rings stainless steel
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5332 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
200	230	soft-seated	75,0	**16**	21007524	**on request**
250	250	soft-seated	95,0	**16**	21038942	**on request**
300	270	soft-seated	124,0	**16**	21007528	**on request**
350	290	soft-seated	190,0	**16**	21007581	**on request**
400	310	soft-seated	250,0	**16**	21007582	**on request**
450	330	soft-seated	285,0	**16**	21007683	**on request**
500	350	soft-seated	320,0	**16**	21007684	**on request**
600	390	soft-seated	470,0	**16**	21007685	**on request**
700	430	soft-seated	680,0	**16**	21007686	**on request**
800	470	soft-seated	850,0	**16**	21007687	**on request**
200	230	soft-seated	75,0	**10**	21007688	**on request**
250	250	soft-seated	95,0	**10**	21007689	**on request**
300	270	soft-seated	124,0	**10**	21007690	**on request**
350	290	soft-seated	190,0	**10**	21007691	**on request**
400	310	soft-seated	250,0	**10**	21007694	**on request**
450	330	soft-seated	285,0	**10**	21007695	**on request**
500	350	soft-seated	320,0	**10**	21007696	**on request**
600	390	soft-seated	470,0	**10**	21007697	**on request**
700	430	soft-seated	680,0	**10**	21007698	**on request**
800	470	soft-seated	850,0	**10**	21007699	**on request**

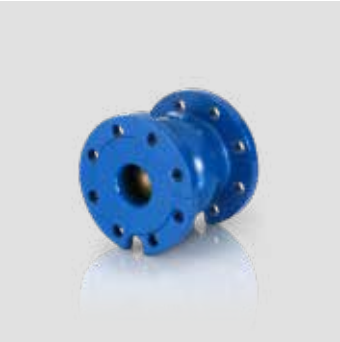
Caution: Back pressure min. 1 bar required

NOZZLE CHECK VALVE

Nozzle check valve PN 10/16
Installation length DN 50 to DN 200 EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	with flanges to DIN EN 1092-2 | soft-seated | with sprung internal non-return valve disc
Tests:	DIN EN 12266-1, EN 1074
Material:	body, EN-JS1050 | spring stainless steel | bush, guide rod bronze | sealing ring EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5435 EPOXY



DN	L mm	Version	kg	PN bar	Part no.	€
50	150	soft-seated	5,8	**16**	10010884	**1'588.60**
65	170	soft-seated	8,0	**16**	10010886	**1'786.60**
80	180	soft-seated	10,0	**16**	10010889	**1'539.20**
100	190	soft-seated	14,5	**16**	10010891	**1'910.60**
125	200	soft-seated	24,0	**16**	10010893	**3'067.60**
150	210	soft-seated	32,0	**16**	10010896	**3'119.40**
200	230	soft-seated	53,0	**10**	10010898	**4'227.10**
250	354	soft-seated	94,0	**10**	10010901	**5'143.50**
300	396	soft-seated	140,0	**10**	10010903	**7'708.90**
350	473	soft-seated	225,0	**10**	10013324	**12'064.60**
400	560	soft-seated	312,0	**10**	10013325	**on request**
500	750	soft-seated	540,0	**10**	10013326	**on request**

NOZZLE CHECK VALVE

Nozzle check valve PN 10/16
Installation length in accordance with company standard | water (drinking water)

Version:	with flanges to DIN EN 1092-2 | metal-seated | with sprung internal non-return valve disc
Tests:	DIN EN 12266-1, EN 1074
Material:	body, EN-JS1050 | spring stainless steel | bush, guide rod bronze | sealing rings stainless steel
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5439 EPOXY

DN	L mm	Version	kg	PN bar	Part no.	€
40	120	metal seated	7,0	**16**	21007701	**768.50**
50	120	metal seated	7,0	**16**	21007702	**768.50**
65	150	metal seated	11,0	**16**	21021081	**1'344.60**
80	180	metal seated	17,0	**16**	21007703	**1'275.10**
100	240	metal seated	23,0	**16**	21007704	**1'689.70**
125	300	metal seated	33,0	**16**	21007705	**2'063.00**
150	350	metal seated	45,0	**16**	21007706	**2'975.40**
200	400	metal seated	75,0	**16**	21007707	**4'912.00**
250	450	metal seated	115,0	**16**	21030968	**8'615.00**
300	500	metal seated	145,0	**16**	21030969	**11'772.80**
350	600	metal seated	220,0	**16**	21030970	**on request**
400	700	metal seated	315,0	**16**	21030971	**on request**
450	750	metal seated	490,0	**16**	21030972	**on request**
500	850	metal seated	720,0	**16**	21030977	**on request**
600	1000	metal seated	900,0	**16**	21030988	**on request**
200	400	metal seated	75,0	**10**	21007708	**4'912.00**
250	450	metal seated	115,0	**10**	21007709	**8'615.00**
300	500	metal seated	135,0	**10**	21007710	**11'772.80**
350	600	metal seated	210,0	**10**	21030994	**on request**
400	700	metal seated	300,0	**10**	21007712	**on request**
450	750	metal seated	465,0	**10**	21007713	**on request**
500	850	metal seated	720,0	**10**	21007714	**on request**
600	1000	metal seated	830,0	**10**	21007715	**on request**

Note on PN25-64 on request

BALL CHECK VALVES

Ball check valve PN 10/16
Installation length in accordance with EN 558-1 series 48 (F6) | wastewater

Version:	with flanges to DIN EN 1092-2 | soft-seated | ball-type non-return valve with floating ball
Tests:	DIN EN 12226-1, EN 1074
Material:	body, cover EN JS1030 | ball rubberised steel |
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 7250 EPOXY

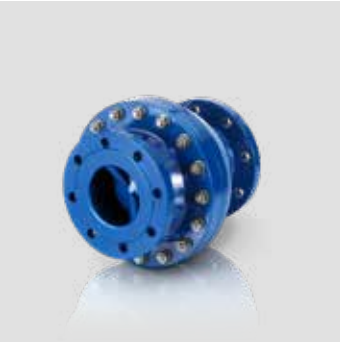
DN	L mm	Version	kg	PN bar	Part no.	€
50	200	soft-seated	7,7	**16**	21022757	**335.20**
65	240	soft-seated	11,2	**16**	21022758	**677.70**
80	260	soft-seated	15,4	**16**	21022759	**586.10**
100	300	soft-seated	21,7	**16**	21022760	**773.00**
125	350	soft-seated	33,0	**16**	21022761	**905.80**
150	400	soft-seated	45,3	**16**	21022762	**1'226.30**
200	500	soft-seated	90,0	**10**	21008115	**2'189.80**
250	600	soft-seated	163,0	**10**	21008116	**3'588.70**
300	700	soft-seated	230,0	**10**	21006558	**5'259.70**
350	800	soft-seated	400,0	**10**	21008117	**on request**
400	900	soft-seated	525,0	**10**	21008118	**on request**

MEMBRANE NON-RETURN VALVE

Membrane non-return valve PN 10/16
Installation length in accordance with EN 558-1 series 48 (F6) | water (drinking water, service water)

Version:	with internal membrane
Tests:	DIN EN 12226-1, EN 1074
Material:	body, spigot EN-JS1050 | membrane EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5433 EPOXY



DN	L mm	kg	PN bar	Part no.	€
40	200	8,4	**16**	10013475	**on request**
50	200	12,0	**16**	10013477	**on request**
65	240	18,0	**16**	10013478	**on request**
80	260	20,0	**16**	10013479	**on request**
100	300	33,5	**16**	10013483	**on request**
125	350	38,0	**16**	10013484	**on request**
150	400	44,0	**16**	10013485	**on request**
200	500	84,0	**16**	10013486	**on request**
250	600	134,0	**16**	10013487	**on request**
300	700	220,0	**16**	10013488	**on request**
200	500	84,0	**10**	10013489	**on request**
250	600	134,0	**10**	10013490	**on request**
300	700	220,0	**10**	10013492	**on request**
350	800	280,0	**10**	10013493	**on request**
400	900	390,0	**10**	10013494	**on request**

FLAP CHECK VALVE

Flap check valve PN 16
Installation length in accordance with company standard | water (drinking water, service water)

Version: for clamping between two flanges | max. temperature 110 °C
Tests: DIN EN 12266-1, EN 1074
Material: disc stainless steel 1.4401 | seal EPDM

Figure 5595

DN	L mm	Version	kg	PN bar	Part no.	€
50	14	soft-seated	0,9	**16**	10013303	**470.20**
65	14	soft-seated	1,3	**16**	10013304	**581.60**
80	14	soft-seated	1,5	**16**	10013305	**708.20**
100	18	soft-seated	2,0	**16**	10013306	**925.40**
125	18	soft-seated	3,0	**16**	10013307	**1'109.90**
150	20	soft-seated	4,8	**16**	10019926	**1'292.30**
200	22	soft-seated	11,0	**16**	10013308	**1'938.40**
250	26	soft-seated	15,0	**16**	10013309	**4'521.10**
300	32	soft-seated	25,0	**16**	10013310	**6'032.30**
350	38	soft-seated	37,0	**16**	10023377	**9'323.20**
400	44	soft-seated	55,0	**16**	10013311	**13'078.10**
500	56	soft-seated	105,0	**16**	10023378	**20'134.60**
600	62	soft-seated	155,0	**16**	10023379	**24'575.40**

BUTTERFLY VALVES

Butterfly valve PN 10/16 – Earth installation
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-seated | medium-free spindle bearing | double eccentric valve disc | AUMA worm gear with bare shaft for underground installation set
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, valve disc EN-JS1050 | shaft, installation parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body (internally and externally), valve disc thick layer EPOXY coating (EWS) RAL 5015

Figure 8632 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
150	210	F10/Shaft 16	42,0	**16**	10044851	**3'602.60**
200	230	F10/Shaft 16	55,0	**16**	10044852	**3'772.10**
250	250	F10/Shaft 20	95,0	**16**	10044853	**4'643.80**
300	270	F10/Shaft 20	125,0	**16**	10044854	**5'267.40**
350	290	F10/Shaft 20	150,0	**16**	10044855	**6'019.40**
400	310	F10/Shaft 20	200,0	**16**	10044856	**7'320.70**
450	330	F10/Shaft 20	265,0	**16**	10044865	**10'820.30**
500	350	F10/Shaft 20	310,0	**16**	10044857	**11'910.60**
600	390	F10/Shaft 20	360,0	**16**	10044858	**15'872.70**
700	430	F10/Shaft 20	585,0	**16**	10044859	**19'946.00**
800	470	F10/Shaft 20	738,0	**16**	10044860	**22'098.30**
900	510	F10/Shaft 20	995,0	**16**	10044861	**34'850.10**
1000	550	F10/Shaft 20	1285,0	**16**	10044862	**40'329.70**
1200	630	F14/Shaft 30	2120,0	**16**	10044863	**59'404.10**
1400	710	F14/Shaft 30	3480,0	**16**	10044864	**81'442.00**
200	230	F10/Shaft 16	55,0	**10**	10044866	**3'751.30**
250	250	F10/Shaft 20	95,0	**10**	10044867	**4'461.90**
300	270	F10/Shaft 20	125,0	**10**	10044868	**5'106.20**
350	290	F10/Shaft 20	145,0	**10**	10044869	**5'928.50**
400	310	F10/Shaft 20	195,0	**10**	10044870	**6'151.60**
450	330	F10/Shaft 20	265,0	**10**	10044895	**9'656.00**
500	350	F10/Shaft 20	265,0	**10**	10067916	**9'241.90**
600	390	F10/Shaft 20	360,0	**10**	10044872	**11'902.30**
700	430	F10/Shaft 20	585,0	**10**	10044873	**19'582.40**
800	470	F10/Shaft 20	738,0	**10**	10044874	**18'855.40**
900	510	F10/Shaft 20	995,0	**10**	10044875	**29'947.00**
1000	550	F10/Shaft 20	1285,0	**10**	10044876	**33'449.00**
1200	630	F14/Shaft 30	2120,0	**10**	10044877	**46'452.40**
1400	710	F14/Shaft 30	2840,0	**10**	10044878	**71'331.30**

See Accessories: Installation sets | DE and CH versions

BUTTERFLY VALVES

Butterfly valve PN 10/16 Earth installation
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-sealing | media-free shaft bearing | double-eccentrically mounted disc | AUMA worm gear with free shaft for underground installation set
Tests:	DIN-DVGW W 363 (P) / EN 1074
Material:	body, disc EN-JS1030 | shaft, mounting parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body inside and disc enamelled cobalt blue | body outside EPOXY thick film RAL 5015 | * up to DN 300 body and disc completely enamelled

Figure 8638 ENAMELLED | EPOXY / from DN 350 completely enamelled on request

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
150	210	F10/Shaft 16	42,0	**16**	10044893*	**3'809.10**
200	230	F10/Shaft 16	55,0	**16**	10044907*	**4'383.20**
250	250	F10/Shaft 20	95,0	**16**	10044908*	**4'986.50**
300	270	F10/Shaft 20	125,0	**16**	10044909*	**6'592.70**
350	290	F10/Shaft 20	150,0	**16**	10044910	**7'403.20**
400	310	F10/Shaft 20	200,0	**16**	10044911	**8'413.30**
450	330	F10/Shaft 20	265,0	**16**	10044894	**12'761.10**
500	350	F10/Shaft 20	310,0	**16**	10044912	**12'733.20**
600	390	F10/Shaft 20	360,0	**16**	10044913	**16'842.60**
700	430	F10/Shaft 20	585,0	**16**	10044914	**21'332.80**
800	470	F10/Shaft 20	738,0	**16**	10044915	**25'377.30**
900	510	F10/Shaft 20	995,0	**16**	10044916	**37'341.40**
200	230	F10/Shaft 16	55,0	**10**	10044918*	**4'293.30**
250	250	F10/Shaft 20	95,0	**10**	10044919*	**4'833.60**
300	270	F10/Shaft 20	125,0	**10**	10044920*	**5'837.50**
350	290	F10/Shaft 20	145,0	**10**	10044921	**7'039.80**
400	310	F10/Shaft 20	195,0	**10**	10044922	**7'229.80**
450	330	F10/Shaft 20	265,0	**10**	10044892	**10'980.60**
500	350	F10/Shaft 20	265,0	**10**	10044923	**10'563.80**
600	390	F10/Shaft 20	360,0	**10**	10044924	**14'352.20**
700	430	F10/Shaft 20	585,0	**10**	10044925	**20'912.80**
800	470	F10/Shaft 20	738,0	**10**	10044926	**21'371.10**
900	510	F10/Shaft 20	995,0	**10**	10044927	**31'418.50**
1000	550	F10/Shaft 20	1285,0	**10**	10044928	**36'957.60**

BUTTERFLY VALVES

Butterfly valve PN 10/16 for handwheel
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-seated | medium-free spindle bearing | double eccentric valve disc | AUMA worm gear with bare shaft for hand wheel
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, valve disc EN-JS1050 | shaft, installation parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body internally EPOXY in cobalt blue | body (externally) and valve disc thick layer EPOXY coating (EWS) RAL 5015

Figure 8682 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no	€
150	210	F10/Shaft 16	42,0	**16**	10044992	**3'515.90**
200	230	F10/Shaft 16	55,0	**16**	10044993	**3'685.10**
250	250	F10/Shaft 20	95,0	**16**	10044994	**4'548.50**
300	270	F10/Shaft 20	125,0	**16**	10044995	**5'147.70**
350	290	F10/Shaft 20	150,0	**16**	10044996	**5'899.60**
400	310	F10/Shaft 20	200,0	**16**	10044997	**7'184.40**
450	330	F10/Shaft 20	265,0	**16**	10044998	**10'820.30**
500	350	F10/Shaft 20	310,0	**16**	10044999	**11'774.20**
600	390	F10/Shaft 20	360,0	**16**	10045000	**15'682.60**
700	430	F10/Shaft 20	585,0	**16**	10045001	**19'756.10**
800	470	F10/Shaft 20	738,0	**16**	10045002	**21'908.40**
900	510	F10/Shaft 20	995,0	**16**	10045003	**34'850.10**
1000	550	F10/Shaft 20	1285,0	**16**	10045004	**39'908.40**
1200	630	F14/Shaft 30	2120,0	**16**	10045005	**58'767.80**
1400	710	F14/Shaft 30	3480,0	**16**	10045006	**81'442.00**
200	230	F10/Shaft 16	55,0	**10**	10044978	**3'664.60**
250	250	F10/Shaft 20	95,0	**10**	10044979	**4'375.20**
300	270	F10/Shaft 20	125,0	**10**	10044980	**5'011.20**
350	290	F10/Shaft 20	145,0	**10**	10044981	**5'833.40**
400	310	F10/Shaft 20	195,0	**10**	10044982	**6'031.70**
450	330	F10/Shaft 20	265,0	**10**	10044983	**9'656.00**
500	350	F10/Shaft 20	265,0	**10**	10048901	**9'122.10**
600	390	F10/Shaft 20	360,0	**10**	10044985	**11'766.00**
700	430	F10/Shaft 20	585,0	**10**	10044986	**19'392.40**
800	470	F10/Shaft 20	738,0	**10**	10044987	**18'665.20**
900	510	F10/Shaft 20	995,0	**10**	10044988	**29'947.00**
1000	550	F10/Shaft 20	1285,0	**10**	10044989	**33'449.00**
1200	630	F14/Shaft 30	2120,0	**10**	10044990	**46'148.20**
1400	710	F14/Shaft 30	2840,0	**10**	10044991	**70'694.90**

BUTTERFLY VALVES

Butterfly valve PN 10/16 for hand wheel
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-seated | medium-free spindle bearing | double eccentric valve disc | AUMA worm gear with bare shaft for hand wheel
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, valve disc EN-JS1050 | shaft, installation parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body (internally) and valve disc enamelled in cobalt blue | body (externally) thick layer EPOXY coating (EWS) RAL 5015 *up to DN 300 body and disc completely enamelled

Figure 8680 ENAMELLED | EPOXY / from DN 350 completely enamelled on request

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
150	210	F10/Shaft 16	42,0	**16**	10044965*	**3'722.40**
200	230	F10/Shaft 16	55,0	**16**	10044966*	**4'209.90**
250	250	F10/Shaft 20	95,0	**16**	10044967*	**4'891.50**
300	270	F10/Shaft 20	125,0	**16**	10044968*	**6'592.70**
350	290	F10/Shaft 20	150,0	**16**	10044969	**6'942.60**
400	310	F10/Shaft 20	200,0	**16**	10044970	**8'262.70**
450	330	F10/Shaft 20	265,0	**16**	10044971	**12'761.10**
500	350	F10/Shaft 20	310,0	**16**	10044972	**12'542.80**
600	390	F10/Shaft 20	360,0	**16**	10044973	**16'570.80**
700	430	F10/Shaft 20	585,0	**16**	10044974	**21'332.80**
800	470	F10/Shaft 20	738,0	**16**	10044975	**25'377.30**
900	510	F10/Shaft 20	995,0	**16**	10044976	**37'341.40**
200	230	F10/Shaft 16	55,0	**10**	10044953*	**4'007.40**
250	250	F10/Shaft 20	95,0	**10**	10044954*	**4'747.00**
300	270	F10/Shaft 20	125,0	**10**	10044955*	**5'742.50**
350	290	F10/Shaft 20	145,0	**10**	10044956	**7'308.30**
400	310	F10/Shaft 20	195,0	**10**	10044957	**7'110.20**
450	330	F10/Shaft 20	265,0	**10**	10044958	**10'980.60**
500	350	F10/Shaft 20	265,0	**10**	10044959	**10'443.80**
600	390	F10/Shaft 20	360,0	**10**	10044960	**14'220.00**
700	430	F10/Shaft 20	585,0	**10**	10044961	**20'722.70**
800	470	F10/Shaft 20	738,0	**10**	10044962	**21'181.40**
900	510	F10/Shaft 20	995,0	**10**	10044963	**31'268.90**
1000	550	F10/Shaft 20	1285,0	**10**	10044964	**36'957.60**

See Accessories: Hand wheels

BUTTERFLY VALVES

Butterfly valve PN 10/16 for electric drive
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-seated | medium-free spindle bearing | double eccentric valve disc | AUMA worm gear with ISO flange for electric drive
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, valve disc EN-JS1050 | shaft, installation parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body with internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8683

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
150	210	F10/Shaft 16	42,0	**16**	10044773	**3'515.90**
200	230	F10/Shaft 16	55,0	**16**	10044774	**3'685.10**
250	250	F10/Shaft 20	95,0	**16**	10044775	**4'548.50**
300	270	F10/Shaft 20	125,0	**16**	10044776	**5'147.70**
350	290	F10/Shaft 20	150,0	**16**	10044777	**5'899.60**
400	310	F10/Shaft 20	200,0	**16**	10044778	**7'184.40**
450	330	F10/Shaft 20	265,0	**16**	10044787	**10'799.30**
500	350	F10/Shaft 20	310,0	**16**	10044779	**12'270.10**
600	390	F10/Shaft 20	360,0	**16**	10044780	**18'140.60**
700	430	F10/Shaft 20	585,0	**16**	10044781	**22'213.90**
800	470	F10/Shaft 20	738,0	**16**	10044782	**24'366.40**
900	510	F10/Shaft 20	995,0	**16**	10044783	**34'782.40**
1000	550	F10/Shaft 20	1285,0	**16**	10044784	**44'527.20**
1200	630	F14/Shaft 30	2120,0	**16**	10044785	**59'230.50**
1400	710	F14/Shaft 30	3480,0	**16**	10044786	**85'634.70**
200	230	F10/Shaft 16	55,0	**10**	10044788	**3'664.60**
250	250	F10/Shaft 20	95,0	**10**	10044789	**4'519.80**
300	270	F10/Shaft 20	125,0	**10**	10044790	**5'114.40**
350	290	F10/Shaft 20	145,0	**10**	10044791	**5'866.50**
400	310	F10/Shaft 20	195,0	**10**	10044792	**7'122.30**
450	330	F10/Shaft 20	265,0	**10**	10044817	**9'656.00**
500	350	F10/Shaft 20	265,0	**10**	10044793	**10'208.50**
600	390	F10/Shaft 20	360,0	**10**	10044794	**12'261.80**
700	430	F10/Shaft 20	585,0	**10**	10044795	**21'850.50**
800	470	F10/Shaft 20	738,0	**10**	10044796	**21'127.50**
900	510	F10/Shaft 20	995,0	**10**	10044797	**29'888.90**
1000	550	F10/Shaft 20	1285,0	**10**	10044798	**35'996.30**
1200	630	F14/Shaft 30	2120,0	**10**	10044799	**50'686.90**
1400	710	F14/Shaft 30	2840,0	**10**	10044800	**71'157.60**

BUTTERFLY VALVES

Butterfly valve PN 10/16 for electric drive
Installation length EN 558-1 series 14 (F4) | water (drinking water, service water)

Version:	to EN 593 | with flanges to DIN EN 1092-2 | soft-seated | medium-free spindle bearing | double eccentric valve disc | AUMA worm gear with ISO flange for electric drive
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body, valve disc EN-JS1050 | shaft, installation parts stainless steel | sealing ring EPDM, W 270
Surface protection:	body (internally) and valve disc enamelled | body (externally) thick layer EPOXY coating (EWS) RAL 5015 *up to DN 300 body and disc completely enamelled

Figure 8346 ENAMELLED | EPOXY / from DN 350 completely enamelled on request

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
150	210	F10/Shaft 16	42,0	**16**	10044815*	**3'722.40**
200	230	F10/Shaft 16	55,0	**16**	10044829*	**4'255.50**
250	250	F10/Shaft 20	95,0	**16**	10044830*	**4'891.50**
300	270	F10/Shaft 20	125,0	**16**	10044831*	**6'592.70**
350	290	F10/Shaft 20	150,0	**16**	10044832	**6'942.60**
400	310	F10/Shaft 20	200,0	**16**	10044833	**8'262.70**
450	330	F10/Shaft 20	265,0	**16**	10044816	**12'761.10**
500	350	F10/Shaft 20	310,0	**16**	10044834	**13'034.30**
600	390	F10/Shaft 20	360,0	**16**	10044835	**19'029.10**
700	430	F10/Shaft 20	585,0	**16**	10044836	**23'585.70**
800	470	F10/Shaft 20	738,0	**16**	10044837	**26'882.50**
900	510	F10/Shaft 20	995,0	**16**	10044838	**37'341.40**
200	230	F10/Shaft 16	55,0	**10**	10044840*	**4'209.90**
250	250	F10/Shaft 20	95,0	**10**	10044841*	**4'891.50**
300	270	F10/Shaft 20	125,0	**10**	10044842*	**5'845.70**
350	290	F10/Shaft 20	145,0	**10**	10044843	**7'341.40**
400	310	F10/Shaft 20	195,0	**10**	10044844	**8'200.70**
450	330	F10/Shaft 20	265,0	**10**	10044814	**10'980.60**
500	350	F10/Shaft 20	265,0	**10**	10044845	**11'530.50**
600	390	F10/Shaft 20	360,0	**10**	10044846	**14'711.80**
700	430	F10/Shaft 20	585,0	**10**	10044847	**23'180.80**
800	470	F10/Shaft 20	738,0	**10**	10044848	**23'639.50**
900	510	F10/Shaft 20	995,0	**10**	10044849	**31'268.90**
1000	550	F10/Shaft 20	1285,0	**10**	10044850	**40'904.30**

WAFER BUTTERFLY VALVES

Wafer butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | water (drinking water, service water)

Version:	with circular body | hand lever | soft-seated | concentric valve shaft | for clamping between two flanges
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body EN-JS1040 | valve shaft 1.4028 | valve disc 1.4408 | seat ring EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8453 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
50	43	F07/square drive 11	3,0	**10/16**	10021294	**281.40**
65	46	F07/square drive 11	3,5	**10/16**	10021297	**285.30**
80	46	F07/square drive 11	4,0	**10/16**	10021300	**289.00**
100	52	F07/square drive 11	5,5	**10/16**	10021429	**396.00**
125	56	F07/square drive 14	7,3	**10/16**	10021448	**453.20**
150	56	F07/square drive 14	8,8	**10/16**	10021449	**584.80**
200	60	F07/square drive 17	15,8	**10**	10021450	**1'141.20**
250	68	F10/square drive 22	21,8	**10**	10021452	**1'709.60**
300	78	F10/square drive 22	30,8	**10**	10021476	**2'152.80**

Wafer butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | water (drinking water, service water)

Version:	circular body | with gearbox and hand wheel | soft-seated | concentric valve shaft | for clamping between two flanges
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body EN-JS1040 | valve shaft 1.4028 | valve disc 1.4408 | seat ring EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8455 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
50	43	F07/square drive 11	6,8	**10/16**	10012091	**556.30**
65	46	F07/square drive 11	7,3	**10/16**	10021483	**580.80**
80	46	F07/square drive 11	7,8	**10/16**	10021484	**582.70**
100	52	F07/square drive 11	9,3	**10/16**	10021485	**584.30**
125	56	F07/square drive 14	11,1	**10/16**	10021486	**596.20**
150	56	F07/square drive 14	12,5	**10/16**	10021487	**665.60**
200	60	F07/square drive 17	24,0	**10/16**	10021488	**1'325.10**
250	68	F10/square drive 22	30,0	**10/16**	10021489	**1'875.70**
300	78	F10/square drive 22	39,0	**10/16**	10021490	**2'660.50**
350	78	F10/square drive 22	43,0	**10**	10021491	**3'310.10**
400	102	F12/square drive 27	108,0	**10**	10021492	**4'086.90**
450	114	F14/square drive 36	111,0	**10**	10021493	**6'383.10**
500	127	F14/square drive 36	163,0	**10**	10021494	**8'104.90**

WAFER BUTTERFLY VALVES

Threaded lags butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | water (drinking water, service water)

Version:	circular body with cast threaded lugs | with hand lever | soft-seated | concentric valve shaft | for mounting on and between flanges
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body EN-JS1040 | valve shaft 1.4028 | valve disc 1.4408 | seat ring EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8457 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
50	43	F07/square drive 11	4,1	**16**	10021495	**405.90**
65	46	F07/square drive 11	4,7	**16**	10021496	**409.30**
80	46	F07/square drive 11	6,3	**16**	10021497	**499.80**
100	52	F07/square drive 11	7,8	**16**	10021498	**519.90**
125	56	F07/square drive 14	10,0	**16**	10021499	**757.70**
150	56	F07/square drive 14	12,0	**16**	10021500	**723.00**
200	60	F07/square drive 17	19,8	**10**	10021503	**1'195.20**
250	68	F07/square drive 22	30,0	**10**	10021504	**1'808.80**
300	78	F10/square drive 22	44,0	**10**	10021753	**2'701.00**

WAFER BUTTERFLY VALVES

Threaded lags butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | water (drinking water, service water)

Version:	circular body with cast threaded lugs | with gearbox and hand wheel | soft-seated | concentric valve shaft | for mounting on and between flanges
Tests:	DIN-DVGW W 363 (P)/EN 1074
Material:	body EN-JS1040 | valve shaft 1.4028 | valve disc 1.4408 | seat ring EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8459 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
50	43	F07/square drive 11	7.9	**16**	10021764	**623.80**
65	46	F07/square drive 11	8.5	**16**	10021765	**757.70**
80	46	F07/square drive 11	10.1	**16**	10021766	**726.50**
100	52	F07/square drive 11	11.6	**16**	10021767	**735.90**
125	56	F07/square drive 14	13.8	**16**	10021768	**1'067.60**
150	56	F07/square drive 14	15.8	**16**	10021769	**1'096.90**
200	60	F07/square drive 17	28.0	**16**	10021770	**1'373.80**
250	68	F10/square drive 22	38.0	**16**	10021771	**2'343.30**
300	78	F10/square drive 22	53.0	**16**	10013784	**3'257.50**
350	78	F10/square drive 22	57.0	**16**	10013785	**6'333.60**
400	102	F12/square drive 27	90.6	**16**	10013786	**8'119.20**
450	114	F14/square drive 36	115.0	**16**	10013787	**on request**
500	127	F14/square drive 36	158.0	**16**	10013788	**14'970.80**
200	60	F0 7/square drive 17	28.0	**10**	10021772	**1'354.10**
250	68	F07/square drive 22	38.0	**10**	10021773	**2'337.00**
300	78	F10/square drive 22	53.0	**10**	10021774	**2'934.50**
350	78	F10/square drive 22	57.0	**10**	10021775	**3'567.10**
400	102	F12/square drive 27	90.6	**10**	10021791	**5'286.30**
450	114	F14/square drive 36	115.0	**10**	10021796	**9'081.00**
500	127	F14/square drive 36	158.0	**10**	10021818	**12'220.10**

WAFER BUTTERFLY VALVES

Wafer butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | gas

Version:	with circular body | hand lever | soft-seated | concentric valve shaft | for clamping between two flanges
Tests:	DIN-DVGW W 363 (P)/EN 13774
Material:	body, valve disc EN-JS1040 | valve shaft 1.4028 | natural rubber seat ring
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | valve disc Rilsan-coated

Figure 8690 EPOXY

DN	L mm	Flange ISO 5211	kg	PN bar	Part no.	€
50	43	F07/square drive 11	3,0	**10/16**	10021506	**on request**
65	46	F07/square drive 11	3,5	**10/16**	10021507	**on request**
80	46	F07/square drive 11	4,0	**10/16**	10021508	**on request**
100	52	F07/square drive 11	5,5	**10/16**	10021509	**on request**
125	56	F07/square drive 14	7,3	**10/16**	10021510	**on request**
150	56	F07/square drive 14	8,8	**10/16**	10021511	**on request**
200	60	F07/square drive 17	15,8	**10**	10021725	**on request**
250	68	F10/square drive 22	21,8	**10**	10021788	**on request**
300	78	F10/square drive 22	30,8	**10**	10021789	**on request**

Wafer butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | gas

Version:	with circular body | with gearbox and hand wheel | soft-seated | concentric valve shaft | for clamping between two flanges
Tests:	DIN-DVGW W 363 (P)/EN 13774
Material:	body, valve disc EN-JS1040 | valve shaft 1.4028 | natural rubber seat ring
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | valve disc Rilsan-coated

Figure 8691 EPOXY

DN	L mm	Actuation flange	kg	PN bar	Part no.	€
50	43	F07/square drive 11	6,8	**10/16**	10021795	**on request**
65	46	F07/square drive 11	7,3	**10/16**	10021161	**on request**
80	46	F07/square drive 11	7,8	**10/16**	10021162	**on request**
100	52	F07/square drive 11	9,3	**10/16**	10021174	**on request**
125	56	F07/square drive 14	11,1	**10/16**	10021175	**on request**
150	56	F07/square drive 14	12,5	**10/16**	10021261	**on request**
200	60	F07/square drive 17	24,0	**10/16**	10021268	**on request**
250	68	F10/square drive 22	30,0	**10**	10021296	**on request**
300	78	F10/square drive 22	39,0	**10**	10021301	**on request**
350	78	F10/square drive 22	43,0	**10**	10021451	**on request**
400	102	F12/square drive 27	108,0	**10**	10021466	**on request**
450	114	F14/square drive 36	111,0	**10**	10021467	**on request**
500	127	F14/square drive 36	163,0	**10**	10021468	**on request**

WAFER BUTTERFLY VALVES

Threaded lugs butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | gas

Version:	circular body with cast threaded lugs | with hand lever | soft-seated | concentric valve shaft | for mounting on and between flanges
Tests:	DIN-DVGW W 363 (P)/EN 13774
Material:	body, valve disc EN-JS1040 | valve shaft 1.4028 | natural rubber seat ring
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | valve disc Rilsan-coated

Figure 8692 EPOXY

DN	L mm	Actuation flange	kg	PN bar	Part no.	€
50	43	F07/square drive 11	4,1	**16**	10021797	**250.90**
65	46	F07/square drive 11	4,7	**16**	10021798	**216.30**
80	46	F07/square drive 11	6,3	**16**	10021799	**286.50**
100	52	F07/square drive 11	7,8	**16**	10021800	**316.00**
125	56	F07/square drive 14	10,0	**16**	10021801	**363.90**
150	56	F07/square drive 14	12,0	**16**	10021802	**518.30**
200	60	F07/square drive 17	19,8	**10**	10021804	**663.50**
250	68	F07/square drive 22	30,0	**10**	10021805	**on request**
300	78	F10/square drive 22	44,0	**10**	10021812	**on request**

WAFER BUTTERFLY VALVES

Threaded lugs butterfly valve PN 10/16
Installation length in accordance with EN 558-1 series 20 (K1) | gas

Version:	circular body with cast threaded lugs | with gearbox and hand wheel | soft-seated | concentric valve shaft | for mounting on and between flanges
Tests:	DIN-DVGW W 363 (P)/EN 13774
Material:	body, valve disc EN-JS1040 | valve shaft 1.4028 | natural rubber seat ring
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | valve disc Rilsan-coated

Figure 8693 EPOXY

DN	L mm	Actuation flange	kg	PN bar	Part no.	€
50	43	F07/square drive 11	7,9	**16**	10021817	**on request**
65	46	F07/square drive 11	8,5	**16**	10021819	**on request**
80	46	F07/square drive 11	10,1	**16**	10021820	**on request**
100	52	F07/square drive 11	11,6	**16**	10021821	**on request**
125	56	F07/square drive 14	13,8	**16**	10021822	**on request**
150	56	F07/square drive 14	15,8	**16**	10021824	**on request**
200	60	F07/square drive 17	28,0	**16**	10021955	**on request**
250	68	F10/square drive 22	38,0	**16**	10021825	**on request**
300	78	F10/square drive 22	53,0	**16**	10021962	**on request**
350	78	F10/square drive 22	57,0	**16**	10021826	**on request**
400	102	F12/square drive 27	90,6	**16**	10022085	**on request**
450	114	F14/square drive 36	115,0	**16**	10021827	**on request**
500	127	F14/square drive 36	158,0	**16**	10022087	**on request**
200	60	F07/square drive 17	28,0	**10**	10022087	**on request**
250	68	F07/square drive 22	38,0	**10**	10021843	**on request**
300	78	F10/square drive 22	53,0	**10**	10022144	**on request**
350	78	F10/square drive 22	57,0	**10**	10021844	**on request**
400	102	F12/square drive 27	90,6	**10**	10022163	**on request**
450	114	F14/square drive 36	115,0	**10**	10021845	**on request**
500	127	F14/square drive 36	158,0	**10**	10022164	**on request**

PRESSURE REDUCING VALVES

Pressure relief valve PN 10/16/25
Installation reducing EN 558-1 series 28 | water (drinking water)

Version:	self-actuated | with pressure gauges
Tests:	EN 1074
Material:	body, bonnet EN-JS1050 | body seat bronze | spring stainless steel | seal EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 7825 EPOXY

DN	Installation length mm	Downstream pressure **please specify when placing order**	kg	PN bar	Part no.	€
50	230		20,0	**25**	21021586	**on request**
65	290		24,0	**25**	21032249	**on request**
80	310		30,0	**25**	21032250	**on request**
100	350		43,0	**25**	21021587	**on request**
125	400		48,0	**25**	21021588	**on request**
150	480		90,0	**25**	21021589	**on request**
200	600		142,0	**25**	21021600	**on request**
250	730		230,0	**25**	21021615	**on request**
300	850		380,0	**25**	21021616	**on request**
400	1100		550,0	**25**	21021660	**on request**
500	1250		860,0	**25**	21021681	**on request**
600	1450		1100,0	**25**	21021709	**on request**
50	230		20,0	**16**	21021725	**on request**
65	290		24,0	**16**	21021738	**on request**
80	310		30,0	**16**	21016289	**on request**
100	350		43,0	**16**	21022019	**on request**
125	400		48,0	**16**	21022046	**on request**
150	480		90,0	**16**	21022047	**on request**
200	600		142,0	**10**	21022145	**on request**
250	730		230,0	**10**	21022195	**on request**
300	850		380,0	**10**	21022220	**on request**
400	1100		550,0	**10**	21022221	**on request**
500	1250		860,0	**10**	21022243	**on request**
600	1450		1100,0	**10**	21022363	**on request**

PRESSURE-SUSTAINING VALVE

Pressure-sustaining valve PN 10/16
Installation length EN 558-1 series 28 to DN125, from DN150 in accordance with company standard | water (drinking water)

Version:	self-actuated | with pressure gauge
Tests:	EN 1074
Material:	body, bonnet EN-JS1050 | body seat bronze | spring stainless steel | seal EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8272 EPOXY

DN	Installation length mm	Upstream pressure please specify when placing orde	kg	PN bar	Part no.	€
50	230		20,0	**16**	21022467	**on request**
65	290		24,0	**16**	21022503	**on request**
80	310		30,0	**16**	21022559	**on request**
100	350		43,0	**16**	21022561	**on request**
125	400		48,0	**16**	21022564	**on request**
150	480		90,0	**16**	21022580	**on request**
200	600		142,0	**10**	21022581	**on request**
250	730		230,0	**10**	21022582	**on request**
300	850		380,0	**10**	21022584	**on request**
400	1100		550,0	**10**	21022585	**on request**
500	1250		860,0	**10**	21022586	**on request**
600	1450		1100,0	**10**	21022741	**on request**

FLOAT LEVEL CONTROL VALVE

Float level control valve PN 10/16
Installation length EN 558-1 series 28 to DN125, from DN150 in accordance with company standard | water (drinking water)

Version:	pilot-operated 3/2 -way control valve | with pressure gauge
Tests:	EN 1074
Material:	body, bonnet EN-JS1050 | body seat bronze | spring stainless steel | seal EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8270 EPOXY

DN	Installation length mm	Float travel please specify when placing order	kg	PN bar	Part no.	€
50	230		20,0	**16**	21022763	**on request**
65	290		24,0	**16**	21022764	**on request**
80	310		30,0	**16**	21022765	**on request**
100	350		43,0	**16**	21022766	**on request**
125	400		48,0	**16**	21022767	**on request**
150	480		90,0	**16**	21022768	**on request**
200	600		142,0	**10**	21022770	**on request**
250	730		230,0	**10**	21022771	**on request**
300	850		380,0	**10**	21022772	**on request**
400	1100		550,0	**10**	21022774	**on request**
500	1250		860,0	**10**	21022778	**on request**
600	1450		1100,0	**10**	21022779	**on request**

Float valve PN 10/16
Installation length EN 558-1 series 28 | water (drinking water)

Version:	direct-operated (as through-way or angle valve) | with float
Tests:	EN 1074
Material:	body, bonnet EN-JS1040 | body seat stainless steel | float steel EPOXY | lever steel EPOXY | seal EPDM
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8464 EPOXY

DN	Installation length mm	Float travel please specify when placing order	kg	PN bar	Part no.	€
50	230		24,0	**16**	10020938	**on request**
65	290		33,0	**16**	10022774	**on request**
80	310		40,0	**16**	10022775	**on request**
100	350		62,0	**16**	10012259	**on request**
125	400		80,0	**16**	10012261	**on request**
150	480		120,0	**16**	10012262	**on request**
						on request
200	600		184,0	**10**	10022779	**on request**
250	730		270,0	**10**	10022780	**on request**
300	850		430,0	**10**	10022781	**on request**
400	1100		685,0	**10**	10022782	**on request**

angle valve version (Figure 8265) on request

RING PISTON VALVE

Ring piston valve PN 10 / 16
Water (drinking water)

Version:	with AUMA part-turn gearbox for attachment of hand wheel or electric drive | with flow separation edge or slotted cylinder, depending on operating parameters
Tests:	EN 12266-1
Material:	body, EN-JS1050 | shaft 1.4028 | guide rails brass | piston 1.4301 | seal PTFE
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

DN	Installation length mm	kg	PN bar	Art.-Nr.	€
80	260	35,0	**16**	21017801	**on request**
100	300	45,0	**16**	21017802	**on request**
125	325	65,0	**16**	21022784	**on request**
150	350	75,0	**16**	21022785	**on request**
200	400	128,0	**16**	21022786	**on request**
250	450	150,0	**16**	21022787	**on request**
300	500	200,0	**16**	21022788	**on request**
400	600	350,0	**16**	21022789	**on request**
200	400	128,0	**10**	21022790	**on request**
250	450	150,0	**10**	21022791	**on request**
300	500	200,0	**10**	21022792	**on request**
400	600	350,0	**10**	21017803	**on request**

STRAINERS

Flanged strainer PN 10 / 16
Installation length EN 558-1 series 1| water (drinking water)

Version:	with perforated basket, pore size 5 mm | (optionally with mesh insert, pore size 0,8 mm) | with locking screw | port for flushing line
Material:	body, cover EN-JS1040 | perforated basket stainless steel | (mesh insert stainless steel)
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

DN	Installation length mm	kg	PN bar	Part no.	€
80	310	24,0	**16**	10014097	**2'561.40**
100	350	33,0	**16**	10000406	**3'851.20**
125	400	48,0	**16**	10014098	**5'663.10**
150	480	75,0	**16**	10000407	**5'663.10**
200	600	145,0	**16**	10014100	**on request**
250	730	210,0	**16**	10014102	**on request**
200	600	145,0	**10**	10014099	**on request**
250	730	210,0	**10**	10014101	**on request**

STRAINERS

Y-Strainer PN 10/16
Installation length EN 558-1 series 1 | water (drinking water)

Version:	with perforated basket | DN 50 pore size 1,0 mm | DN 65 to DN 80 pore size 1,25 mm | from DN 100 pore size 1,6 mm
Material:	body, cover EN-JS1050 | perforated basket stainless steel
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5920 EPOXY

DN	Installation length mm	kg	PN bar	Part no.	€
50	230	10,7	**16**	10013756	**650.50**
65	290	16,1	**16**	10013757	**764.20**
80	310	18,2	**16**	10011260	**700.60**
100	350	32,5	**16**	10000349	**2'559.40**
125	400	39,2	**16**	10000401	**2'466.80**
150	480	52,2	**16**	10013758	**3'284.70**
200	600	102,7	**16**	10014090	**7'568.40**
250	730	171,0	**16**	10014093	**10'852.90**
300	850	225,0	**16**	10014096	**18'533.00**
200	600	102,7	**10**	10011271	**6'036.50**
250	730	171,0	**10**	10014092	**10'852.90**
300	850	225,0	**10**	10014095	**18'529.00**

DISMANTLING JOINTS

Dismantling joints type PA PN 10/16
Water (drinking water)

Version: short face-to-face length with small adjustment range to DN100 8 mm, from DN125 10 mm
Material: body steel RST37.2 to DIN 17100 | Figure 8556 bolts and nut galvanised | Figure 8434 bolts A2, nuts A4 | seals Perbunan
Surface protection: internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8556/Figure 8434 EPOXY

DN	Installation length mm	Adjustment range mm	kg	PN bar	Figure 8556 Bolts and nuts galvanised Part no.	€	Figure 8434 Bolts A2 and nuts A4 Part no.	€
50	100	8	6,0	**16**	21007180	**598.80**	10011283	**689.40**
65	100	8	7,5	**16**	21009503	**674.30**	10020939	**781.60**
80	100	8	9,0	**16**	21009504	**770.70**	10011286	**884.50**
100	100	8	13,0	**16**	21007492	**833.10**	10011288	**953.10**
125	100	10	17,0	**16**	21009505	**1'028.60**	10011291	**1'185.30**
150	100	10	21,0	**16**	21009506	**1'202.40**	10020842	**1'378.30**
200	100	10	29,0	**16**	21020453	**1'816.20**	10011297	**2'086.90**
250	120	10	44,0	**16**	21009832	**2'305.60**	10011301	**2'915.40**
300	120	10	55,0	**16**	21009833	**2'677.10**	10011306	**3'310.40**
350	130	10	77,0	**16**	21009834	**3'233.00**	10014412	**4'415.70**
400	130	10	98,0	**16**	21009835	**3'907.20**	10020944	**6'238.40**
450	130	10	122,0	**16**	21007143	**4'767.90**	10014418	**on request**
500	150	10	156,0	**16**	21007144	**5'478.50**	10014419	**8'917.5**
600	150	10	222,0	**16**	21007145	**7'017.60**	10014420	**12'101.3**
200	100	10	29,0	**10**	21009836	**1'567.20**	10011294	**1'728.20**
250	110	10	38,0	**10**	21009837	**2'028.90**	10011300	**2'168.20**
300	110	10	46,0	**10**	21009838	**2'258.30**	10011304	**2'582.70**
350	120	10	57,0	**10**	21009871	**2'861.70**	10013759	**3'213.70**
400	120	10	72,0	**10**	21009886	**3'355.30**	10011277	**4'115.30**
450	120	10	80,0	**10**	21007146	**3'784.60**	10014417	**on request**
500	120	10	90,0	**10**	21007147	**4'278.60**	10011280	**5'397.00**
600	120	10	120,0	**10**	21007148	**4'922.60**	10000396	**7'661.70**

DISMANTLING JOINTS

Dismantling joints type P0 PN 10/16
Water (drinking water)

Version: medium face-to-face length with adjustment range +/-25mm
Material: body steel RST37.2 to DIN 17100 | Figure 8557 bolts and nut galvanised | Figure 8430 bolts A2, nuts A4 | seals Perbunan
Surface protection: internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8557/Figure 8430 EPOXY

DN	Installation length mm	Adjustment range mm	kg	PN bar	Figure 8557 Bolts and nuts galvanised Part no.	€	Figure 8430 Bolts A2 and nuts A4 Part no.	€
50	180	+/- 25	10,0	**16**	21009904	**738.40**	10011309	**830.00**
65	180	+/- 25	12,0	**16**	21009905	**802.90**	10011314	**974.10**
80	200	+/- 25	16,0	**16**	21009910	**908.10**	10011316	**1'098.00**
100	200	+/- 25	20,0	**16**	21009911	**972.60**	10011319	**1'169.80**
125	200	+/- 25	25,0	**16**	21009912	**1'167.70**	10011321	**1'410.80**
150	200	+/- 25	34,0	**16**	21009913	**1'344.00**	10011324	**1'768.70**
200	220	+/- 25	48,0	**16**	21009914	**2'007.20**	10011329	**2'582.80**
250	230	+/- 25	74,0	**16**	21009948	**2'503.10**	10011334	**3'503.10**
300	250	+/- 25	92,0	**16**	21009949	**2'954.10**	10011339	**3'984.40**
350	260	+/- 25	126,0	**16**	21009950	**3'510.00**	10011342	**4'830.30**
400	270	+/- 25	162,0	**16**	21010174	**4'188.30**	10011348	**6'340.00**
450	270	+/- 25	190,0	**16**	21010184	**5'049.10**	10011353	**7'768.40**
500	280	+/- 25	240,0	**16**	21010197	**5'757.60**	10011359	**9'239.80**
600	300	+/- 25	330,0	**16**	21010198	**7'855.10**	10011361	**12'380.30**
200	220	+/- 25	48,0	**10**	21010259	**1'713.10**	10011326	**2'031.40**
250	220	+/- 25	65,0	**10**	21010279	**2'185.30**	10011331	**2'857.30**
300	220	+/- 25	72,0	**10**	21010280	**2'544.00**	10011336	**3'104.90**
350	230	+/- 25	94,0	**10**	21010285	**3'138.70**	10023185	**3'959.60**
400	230	+/- 25	122,0	**10**	21010376	**3'630.20**	10011345	**4'911.10**
450	250	+/- 25	140,0	**10**	21010397	**4'065.90**	10011350	**5'750.50**
500	260	+/- 25	162,0	**10**	21010398	**4'557.60**	10011356	**6'306.00**
600	260	+/- 25	205,0	**10**	21010449	**5'186.70**	10013760	**7'237.70**

DISMANTLING JOINTS

Dismantling joints type PF PN 10/16
Water (drinking water)

Version: long face-to-face length with adjustment range +/-25mm
Material: body steel RST37.2 to DIN 17100 | Figure 8558 bolts and nut galvanised | Figure 8432 bolts A2, nuts A4 | seals Perbunan
Surface protection: internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 8558/Figure 8432 EPOXY

DN	Installation length mm	Adjustment range mm	kg	PN bar	Figure 8558 Bolts and nuts galvanised Part no.	€	Figure 8432 Bolts A2 and nuts A4 Part no.	€
50	300	+/- 25	13,0	**16**	21010524	**908.10**	10019956	**1'358.90**
65	300	+/- 25	16,0	**16**	21010552	**1'000.40**	10019957	**1'358.90**
80	300	+/- 25	21,0	**16**	21010579	**1'140.00**	10010973	**1'372.40**
100	300	+/- 25	27,0	**16**	21010580	**1'292.30**	10019958	**1'556.90**
125	300	+/- 25	34,0	**16**	21010617	**1'494.30**	10019959	**1'824.70**
150	350	+/- 25	51,0	**16**	21010618	**2'043.90**	10019960	**2'262.90**
200	350	+/- 25	64,0	**16**	21010619	**2'578.30**	10019961	**3'190.10**
250	375	+/- 25	102,0	**16**	21010951	**3'205.20**	10019962	**4'180.30**
300	375	+/- 25	116,0	**16**	21010954	**3'784.60**	10019963	**4'783.30**
350	425	+/- 25	162,0	**16**	21010956	**5'145.90**	10019964	**6'488.40**
400	425	+/- 25	204,0	**16**	21010998	**8'314.50**	10019965	**8'227.40**
450	425	+/- 25	232,0	**16**	21010999	**7'468.60**	10019966	**9'975.60**
500	450	+/- 25	312,0	**16**	21011000	**8'713.40**	10019967	**11'881.10**
600	475	+/- 25	416,0	**16**	21011051	**10'450.30**	10019968	**14'954.30**
200	350	+/- 25	62,0	**10**	21011052	**2'267.10**	10019969	**2'839.30**
250	350	+/- 25	88,0	**10**	21011053	**2'780.30**	10010975	**3'239.80**
300	350	+/- 25	100,0	**10**	21011054	**3'179.50**	10019970	**3'815.90**
350	350	+/- 25	124,0	**10**	21011094	**3'583.00**	10019971	**4'265.50**
400	375	+/- 25	160,0	**10**	21011184	**4'248.40**	10019972	**5'071.20**
450	375	+/- 25	176,0	**10**	21012620	**5'055.60**	10019973	**6'340.00**
500	375	+/- 25	202,0	**10**	21012621	**5'463.50**	10019974	**7'026.00**
600	400	+/- 25	268,0	**10**	21012622	**6'979.30**	10019975	**8'609.80**

STANDPOST FIRE HYDRANTS

VONROLL above-ground hydrant HYTEC DN 80/100 PN 16
Water (drinking water, extinguishing water)

Version:	HYTEC above-ground hydrant Form AU/AUD | single/double ISOLATION | with flange to DIN EN 1092-2 PN 16 | traffic breakaway design | minimum volumetric flow: DN 80 = 140m³/h, DN 100 = 210 m³/h | EN 14384
Tests:	DIN-DVGW W 386 (P)/DIN EN 1074
Material:	body upper section AlSiMg 0,3 | body lower section EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	Salt water and weather resistant aluminium alloy | Outlet housing and foundation ring with polyester coating

Figure 5608 AU/**Figure 5609** AUD EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1.00	Form AU	53.0	**16**	10012104	**3'617.40**
80	1.25	Form AU	54.5	**16**	10012105	**3'740.60**
80	1.50	Form AU	63.0	**16**	10012106	**4'040.20**
80	1.00	Form AUD	53.0	**16**	10012119	**3'617.40**
80	1.25	Form AUD	54.5	**16**	10012120	**3'836.70**
80	1.50	Form AUD	63.0	**16**	10012121	**4'040.20**

1 × B outlet

Figure 5662 AU/**Figure 5663** AUD EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1,00	Form AU	54,0	**16**	10007413	**3'494.90**
80	1,25	Form AU	56,0	**16**	10007414	**4'040.50**
80	1,50	Form AU	65,0	**16**	10007415	**3'800.50**
80	1,00	Form AUD	54,0	**16**	10012122	**3'675.70**
80	1,25	Form AUD	56,0	**16**	10007417	**4'172.70**
80	1,50	Form AUD	65,0	**16**	10007418	**4'031.30**

2 × B outlet

Figure 5676 AU/**Figure 5677** AUD EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
100	1,00	Form AU	91,0	**16**	10000368	**5'435.70**
100	1,25	Form AU	97,0	**16**	10012109	**5'494.00**
100	1,50	Form AU	106,0	**16**	10012110	**5'738.20**
100	1,00	Form AUD	98,0	**16**	10012126	**5'912.00**
100	1,25	Form AUD	107,0	**16**	10012129	**6'109.50**
100	1,50	Form AUD	116,0	**16**	10012130	**6'360.80**
100	0,8 - 1,00	Form AUD	130,0	**16**	10012125	**6'835.20**
100	0,9 - 1,40	Form AUD	137,0	**16**	10012127	**6'940.40**
100	1,2 - 1,75	Form AUD	155,0	**16**	10012172	**7'331.10**

1× A, 2× B-outlet

STANDPOST FIRE HYDRANTS

VONROLL Hytec Tunnel hydrant DN 80/100 PN 16
Water (drinking water, extinguishing water)

Version:	above-ground hydrant Form AU/AUD | single/double ISOLATION | with flange to DIN EN 1092-2 PN 16 | traffic breakaway design | minimum volumetric flow: DN 80 = 140m³/h, DN 100 = 210 m³/h | EN 14384
Tests:	DIN-DVGW W 386 (P)/DIN EN 1074
Material:	body upper section AlSiMg 0,3 | body lower section EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	Salt water and weather resistant aluminium alloy | Outlet housing and foundation ring with polyester coating

Figure 5685 AU/**Figure 5686** AUD EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1,00	Form AU	73,0	**16**	10012150	**8'707.20**
80	1,25	Form AU	75,0	**16**	10012151	**9'026.90**
100	1,00	Form AU	111,0	**16**	10012152	**9'026.90**
100	1,25	Form AU	126,0	**16**	10012153	**9'344.80**
80	1,00	Form AUD	73,5	**16**	10012141	**8'793.00**
80	1,25	Form AUD	75,5	**16**	10012142	**9'112.90**
100	1,00	Form AUD	121,0	**16**	10012143	**9'112.90**
100	1,25	Form AUD	136,0	**16**	10012144	**9'430.50**

STANDPOST FIRE HYDRANTS

Keula above-ground hydrant DN 80/100 PN 16
Water (drinking water, extinguishing water)

Version:	above-ground hydrant Form AU and Form AUD | with flange to DIN EN 1092-2, PN 16 | minimum volumetric flow: DN 80 = 140m³/h, DN 100 = 210 m³/h | EN 14384
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body EN JS1030 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	iinternal and external thick layer EPOXY coating (EWS) | upper section with additional external polyester coating

Figure 5544 AU/**Figure 5572** AUD EPOXY

round square

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1,00	Form AU- round	60,5	**16**	10040094	**3'071.80**
80	1,25	Form AU- round	66,8	**16**	10040095	**3'211.30**
80	1,50	Form AU- round	71,2	**16**	10040096	**3'298.70**
80	1,00	Form AU-square	63,0	**16**	10044011	**3'071.80**
80	1,25	Form AU-square	68,0	**16**	10044013	**3'211.30**
80	1,50	Form AU-square	73,0	**16**	10044015	**3'298.70**
80	1,00	Form AUD- round	61,0	**16**	10039969	**3'304.90**
80	1,25	Form AUD- round	67,3	**16**	10044130	**3'449.10**
80	1,50	Form AUD- round	71,7	**16**	10039970	**3'545.90**
80	1,00	Form AUD- square	64,0	**16**	10044012	**3'304.90**
80	1,25	Form AUD- square	69,0	**16**	10044014	**3'449.10**
80	1,50	Form AUD- square	74,0	**16**	10044016	**3'545.90**
100	1,00	Form AU- round	75,0	**16**	10044697	**4'490.50**
100	1,25	Form AU- round	81,2	**16**	10044699	**4'074.30**
100	1,50	Form AU- round	85,8	**16**	10044700	**4'103.10**
100	1,00	Form AU-square	76,0	**16**	10048881	**4'209.10**
100	1,25	Form AU-square	82,2	**16**	10048355	**3'922.70**
100	1,50	Form AU-square	86,4	**16**	10048356	**3'980.10**
100	1,00	Form AUD-round	76,0	**16**	10044698	**4'235.50**
100	1,25	Form AUD-round	82,2	**16**	10043995	**4'348.60**
100	1,50	Form AUD-round	86,4	**16**	10044055	**4'408.00**
100	1,00	Form AUD-square	77,0	**16**	10048882	**4'533.00**
100	1,25	Form AUD-square	83,3	**16**	10048357	**4'219.40**
100	1,50	Form AUD-square	87,0	**16**	10048358	**4'276.80**

version: inside enamelled, outside EPOXY on request

STANDPOST FIRE HYDRANTS

Keula above-ground hydrant DN 80/100 PN 16
Water (drinking water, extinguishing water)

Version:	above-ground hydrant Form AU and Form AUD | with flange to DIN EN 1092-2, PN 16 | minimum volumetric flow: DN 80 = 140m³/h, DN 100 = 210 m³/h | EN 14384
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body EN JS1030 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) | upper section with additional external polyester coating

Figure 5549 AU/**Figure 5574** AUD / EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1,00	Form AU-old town	77,0	**16**	10048883	**3'370.80**
80	1,25	Form AU-old town	83,3	**16**	10047880	**3'459.90**
80	1,50	Form AU-old town	87,6	**16**	10047882	**3'624.10**
80	1,00	Form AUD-old town	78,0	**16**	10048884	**3'538.80**
80	1,25	Form AUD-old town	84,3	**16**	10047879	**3'680.80**
80	1,50	Form AUD-old town	88,0	**16**	10047881	**3'780.70**
100	1,00	Form AU-old town	87,0	**16**	10051054	**4'631.20**
100	1,25	Form AU-old town	94,0	**16**	10049978	**4'258.10**
100	1,50	Form AU-old town	97,0	**16**	10050670	**4'313.90**
100	1,00	Form AUD-old town	88,0	**16**	10045356	**4'975.60**
100	1,25	Form AUD-old town	95,0	**16**	10050633	**4'649.50**
100	1,50	Form AUD-old town	98,0	**16**	10050222	**4'715.30**

version: inside enamelled, outside EPOXY on request

Figure 5545 AU/**Figure 5569** AUD / EPOXY
(round without Storz A coupling)

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
100	1,00	Form AU- round	75,0	**16**	10041247	**4'210.90**
100	1,25	Form AU- round	81,2	**16**	10041249	**3'922.70**
100	1,50	Form AU- round	86,4	**16**	10041251	**3'980.10**
100	1,00	Form AUD-round	76,0	**16**	10041248	**4'533.00**
100	1,25	Form AUD-round	81,2	**16**	10041250	**4'348.60**
100	1,50	Form AUD-round	86,4	**16**	10041252	**4'408.00**

STANDPOST FIRE HYDRANTS

Keula above-ground hydrant with drop jacket DN 100 PN 16
Water (drinking water, extinguishing water)

Version:	above-ground hydrant Form AFU and Form AFUD | with flange to DIN EN 1092-2 PN 16 | minimum volumetric flow: DN 100 = 210 m^3/h | EN 14384
Tests:	EN 1074
Material:	body EN JS1030 | drop jacket V2A | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 7031 | upper section with additional external polyester coating

Figure 5551 AFU / **Figure 5600** AFUD EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
100	1,00	Form AFU	109,0	**16**	10048885	**6'186.70**
100	1,25	Form AFU	114,0	**16**	10047883	**6'267.60**
100	1,50	Form AFU	115,0	**16**	10048359	**6'716.10**
100	1,00	Form AFUD	114,0	**16**	10048886	**6'183.20**
100	1,25	Form AFUD	119,0	**16**	10048343	**6'246.50**
100	1,50	Form AFUD	124,0	**16**	10049730	**6'310.80**

EXTINGUISHING WATER SUCTION CONNECTION

Extinguishing water suction connection DN 100 PN 16
Water (drinking water, extinguishing water)

Version:	Form A – with dip tube | Form B and C without dip tube | with Storz A coupling and DN 100 flange connection to DIN EN 1092-2, PN 16 | minimum volumetric flow: DN 100 = 210 m^3/h | DIN 14244
Material:	body EN JS1030 | chain galvanised steel | screw plug brass | Storz coupling aluminium
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 3000 (red) or RAL 7031 (grey) | upper section with additional external polyester coating

Figure 5562 A | B / **Figure 5563** C EPOXY

Form A | B Form C

DN	Version	kg	PN bar	Part no.	€
100	Form Awith dip tube	25,1	**16**	10047889	**982.50**
100	Form B without dip tube	25,0	**16**	10047890	**875.60**
100	Form C without dip tube	11,5	**16**	10047888	**1'001.00**

Dry hydrant complete with type FF fitting and type N fitting DN 100 PN 16
Water (drinking water, extinguishing water)

Version:	outlet Form A DIN 14319 | type N fitting with drain valve | suitable for drafting only – pressurised discharge on request | minimum volumetric flow: DN 100 = 210 m^3/h | DIN 14244
Material:	body, type FF fitting, type N fitting EN JS1030 | drain valve brass | chain galvanised steel | plug brass | Storz coupling aluminium
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 7031 (grey) | upper section with additional external polyester coating

Figure 5564 A | B EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
100	1,00	Form A with dip tube	77,0	**16**	10044685	**2'465.30**
100	1,25	Form A with dip tube	80,5	**16**	10049880	**2'495.80**
100	1,50	Form A with dip tube	83,9	**16**	10048345	**3'129.30**
100	1,00	Form B without dip tube	78,0	**16**	10044687	**2'202.80**
100	1,25	Form B without dip tube	82,7	**16**	10048344	**2'219.00**
100	1,50	Form B without dip tube	83,9	**16**	10048346	**2'835.00**

UNDERGROUND FIRE HYDRANTS

VONROLL UFO - underground hydrants with full protection DN80 PN16 - NEW GENERATION
Water (drinking water, extinguishing water)

Version:	Underground hydrant FORM A1 and Form AD1 | with flange to DIN EN 1092-2 PN 16 | with integrated foot seal | Minimum flow rate: DN 80 = 110m³ / h | DIN EN 1074 and EN14339 | ANIWAH and EASY inspection system
Tests:	DIN-DVGW W386 (P)
Material:	body, claw EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | Claw lock cover plastic, elastomers EPDM, W 270
Surface protection:	inside and outside EPOXY powder coating GSK RAL 5015 | inside and outside enamelled blue

Figur 2022 A1 / AD1 EPOXY
Figur 2023 A1 / AD1 ENAMEL

					EPOXY single shut-off		EPOXY double shut-off	
DN	Pipe cover m	Number of notches	Height mm	**Weight kg**	Part. no.	€	Part. no.	€
80	0,75	1	527	**23**	21008705	**on request**	21008728	**on request**
80	1,00	2	722	**26**	21008706	**on request**	21008721	**on request**
80	1,25	3	972	**30**	21008789	**on request**	21008704	**on request**
80	1,50	4	1222	**35**	21008707	**on request**	21008714	**on request**

					ENAMEL single shut-off		ENAMEL double shut-off	
DN	Pipe cover m	Number of notches	Height mm	**Weight kg**	Part. no.	€	Part. no.	€
80	0,75	1	527	**23**	21074748	**on request**	21074750	**on request**
80	1,00	2	722	**26**	21074749	**on request**	21074751	**on request**
80	1,25	3	972	**30**	21042444	**on request**	21042445	**on request**
80	1,50	4	1222	**35**	21074575	**on request**	21074576	**on request**

UNDERGROUND FIRE HYDRANTS

VONROLL fully protected underground hydrants DN 80 PN 16
Water (drinking water, extinguishing water)

Version:	underground hydrant Form A1 and Form AD1 | with flange to DIN EN 1092-2, PN 16 | with integrated base seal | minimum volumetric flow: DN 80 = 110m³/h | EN 14339
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body, claw | blanking cap EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | internally and externally enamelled in cobalt blue

Figure 5527 A1 / **Figure 5528** AD1 EPOXY
Figure 5525 A1 / **Figure 5526** AD1 ENAMEL

					EPOXY		ENAMEL	
DN	Pipe cover depth m	Version	kg	**PN bar**	Part no.	€	Part no.	€
80	0,75	Form A1	24,0	**16**	10012149*	**628.10**	10012137*	**947.00**
80	1,00	Form A1	29,0	**16**	10007420*	**694.00**	10012138*	**947.00**
80	1,25	Form A1	34,0	**16**	10000370*	**752.00**	10012139*	**1'043.40**
80	1,50	Form A1	38,5	**16**	10007421*	**896.70**	10012140*	**1'165.70**
80	0,75	Form A1	24,0	**16**	10012187+	**599.20**	10012171+	**947.00**
80	1,00	Form A1	29,0	**16**	10012188+	**673.40**	10012173+	**947.00**
80	1,25	Form A1	34,0	**16**	10007426+	**731.30**	10012175+	**1'043.40**
80	1,50	Form A1	38,5	**16**	10007427+	**875.90**	10012185+	**1'165.70**
80	0,75	Form AD1	24,0	**16**	10007419*	**882.40**	10012133*	**1'067.00**
80	1,00	Form AD1	29,0	**16**	10012146*	**894.50**	10012134*	**1'138.40**
80	1,25	Form AD1	34,0	**16**	10012147*	**961.00**	10012135*	**1'262.40**
80	1,50	Form AD1	38,5	**16**	10012148*	**995.70**	10012136*	**1'324.60**
80	0,75	Form AD1	24,0	**16**	10007422+	**882.70**	10012162+	**1'067.00**
80	1,00	Form AD1	29,0	**16**	10007423+	**894.50**	10012163+	**1'137.80**
80	1,25	Form AD1	34,0	**16**	10007424+	**961.00**	10012164+	**1'262.40**
80	1,50	Form AD1	38,5	**16**	10007425+	**979.10**	10012166+	**1'324.60**

* version with self-closing cover (PP)
+ version with rubber cover

UNDERGROUND FIRE HYDRANTS

VONROLL fully protected underground hydrants DN 80 PN 16
Water (drinking water, extinguishing water)

Version:	underground hydrant Form A1 and Form AD1 | with flange to DIN EN 1092-2 PN 16 | with integrated base seal | minimum volumetric flow: DN 80 = 110m³/h | EN 14339
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body, claw | blanking cap EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015 | internally and externally enamelled in cobalt blue

Figure 5540 A1 / **Figure 5567** AD1 EPOXY
Figure 5559 A1 / **Figure 5568** AD1 ENAMEL

					EPOXY		ENAMEL	
DN	Pipe cover depth m	Version	kg	**PN bar**	Part no.	€	Part no.	€
80	0,75	Form A1	24,4	**16**	10049996*	**681.70**	10041669*	**903.40**
80	1,00	Form A1	28,0	**16**	10048337*	**714.70**	10041671*	**947.10**
80	1,25	Form A1	33,0	**16**	10048338*	**781.00**	10041673*	**1'034.90**
80	1,50	Form A1	37,5	**16**	10048339*	**813.90**	10041675*	**1'078.40**
80	0,75	Form A1 SF	25,0	**16**	10040025+	**851.20**	10040682+	**1'127.90**
80	1,00	Form A1 SF	28,5	**16**	10040027+	**888.40**	10040481+	**1'177.20**
80	1,25	Form A1 SF	33,5	**16**	10040029+	**950.10**	10040474+	**1'259.10**
80	1,50	Form A1 SF	38,0	**16**	10040031+	**987.40**	10040476+	**1'308.30**
80	0,75	Form AD1	25,0	**16**	10048336*	**727.20**	10041670*	**963.70**
80	1,00	Form AD1	28,7	**16**	10048340*	**760.20**	10041672*	**1'007.40**
80	1,25	Form AD1	33,8	**16**	10048341*	**826.20**	10041674*	**1'094.70**
80	1,50	Form AD1	38,0	**16**	10048342*	**887.60**	10041676*	**1'176.10**
80	0,75	Form AD1 SF	25,0	**16**	10040026+	**941.30**	10040683+	**1'247.30**
80	1,00	Form AD1 SF	29,0	**16**	10040028+	**946.20**	10040482+	**1'253.80**
80	1,25	Form AD1 SF	34,0	**16**	10040030+	**995.70**	10040475+	**1'319.40**
80	1,50	Form AD1 SF	38,5	**16**	10040032+	**1'032.90**	10040477+	**1'368.70**

* version with PP cover
+ version with self-closing claw cover (V2A)

UNDERGROUND FIRE HYDRANTS

VONROLL fully protected underground hydrants DN 80 PN 16
Water (drinking water, extinguishing water)

Version:	underground hydrant Form A1 and Form AD1 | with spigot end | minimum volumetric flow: DN 80 = 110m³/h | EN 14339
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body, claw | blanking cap EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5531 A1 / **Figure 5532** AD1 EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	0,75	Form A1	24,0	**16**	10012223*	**1'300.80**
80	1,00	Form A1	29,0	**16**	10012224*	**1'300.80**
80	1,25	Form A1	34,0	**16**	10012228*	**1'436.30**
80	1,50	Form A1	38,5	**16**	10012236*	**1'569.40**
80	0,75	Form A1	24,0	**16**	10012206+	**1'300.80**
80	1,00	Form A1	29,0	**16**	10012207+	**1'300.80**
80	1,25	Form A1	34,0	**16**	10012208+	**1'436.30**
80	1,50	Form A1	38,5	**16**	10012209+	**1'569.40**
80	0,75	Form AD1	24,0	**16**	10012219*	**1'313.90**
80	1,00	Form AD1	29,0	**16**	10012220*	**1'313.90**
80	1,25	Form AD1	34,0	**16**	10012221*	**1'446.90**
80	1,50	Form AD1	38,5	**16**	10012222*	**1'580.00**
80	0,75	Form AD1	24,0	**16**	10012191+	**1'313.90**
80	1,00	Form AD1	29,0	**16**	10012192+	**1'313.90**
80	1,25	Form AD1	34,0	**16**	10012198+	**1'447.50**
80	1,50	Form AD1	38,5	**16**	10012203+	**1'580.00**

* version with self-closing cover (PP)
+ version with rubber cover

UNDERGROUND FIRE HYDRANTS

VONROLL fully protected underground hydrants DN 80 PN 16
Water (drinking water, extinguishing water)

Version:	underground hydrant Form A1 and Form AD1 | with HDPE spigot end | minimum volumetric flow: DN 80 = 110m³/h | EN 14339
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body, claw | blanking cap EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) RAL 5015

Figure 5538 A1 / **Figure 5539** AD1 EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
80	1,00	Form A1	24,0	**16**	10012237*	**1'279.60**
80	1,25	Form A1	29,0	**16**	10012240*	**1'346.20**
80	1,50	Form A1	34,5	**16**	10012241*	**1'563.40**
80	1,00	Form A1	24,0	**16**	10012211+	**1'279.60**
80	1,25	Form A1	29,0	**16**	10012212+	**1'346.20**
80	1,50	Form A1	34,5	**16**	10012213+	**1'564.30**
80	1,00	Form AD1	24,5	**16**	10012242*	**1'290.20**
80	1,25	Form AD1	29,5	**16**	10012243*	**1'392.60**
80	1,50	Form AD1	35,0	**16**	10012244*	**1'638.20**
80	1,00	Form AD1	24,5	**16**	10012214+	**1'290.20**
80	1,25	Form AD1	29,5	**16**	10012215+	**1'392.80**
80	1,50	Form AD1	35,0	**16**	10000376+	**1'519.90**

* version with self-closing cover (PP)
+ version with rubber cover

VONROLL fully protected underground hydrants DN 100 PN 16
Water (drinking water, extinguishing water)

Version:	underground hydrant Form A1 | with flange to DIN EN 1092-2 PN 16 | with DN 100 claw coupling and integrated base seal | minimum volumetric flow: DN 100 = 260 m³/h | EN 14339
Tests:	DIN-DVGW W 386 (P)/EN 1074
Material:	body, claw | blanking cap EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS)

Figure 5541 AD1 EPOXY

DN	Pipe cover depth m	Version	kg	PN bar	Part no.	€
100	1,50	Form AD1	60,0	**16**	10050207	**3'385.80**
100	1,25	Form AD1	65,0	**16**	10050327	**3'365.20**
100	1,00	Form AD1	70,0	**16**	10050436	**3'267.50**

On request, we can supply a DN 100/DN 80 claw adapter for use of a DN 80 standpipe to DIN 14374

INDUSTRIAL HYDRANTS

VONROLL industrial hydrant DN 150 PN 16
Water (drinking water, extinguishing water)

Version:	above-ground hydrant Form AU | single ISOLATION | with flange to DIN EN 1092-2, PN 16 | traffic breakaway design | minimum volumetric flow: DN 150 = 400 m^3/h | EN 14384
Tests:	DIN-DVGW W 386 (P) / DIN EN 12266
Material:	upper section EN-JS1050 | lower section EN-JS1050 | spindle X20Cr13 (1.4021) | spindle nut brass (CW617N) | rubber parts EPDM, W 270
Surface protection:	internal and external thick layer EPOXY coating (EWS) | upper section with additional external polyester coating

Figure 5530 EPOXY

DN	Pipe cover depth m	Version	Colour	kg	PN bar	Part no.	€
150	1,25	Form AU	–	187,0	**16**	10022088	**16'362.30**
150	–	2x 110 / 1x 75	Red	72,0	**16**	21007455	**9'719.20**
150	–	2x 110 / 1x 75 incl. lower section	Red	187,0	**16**	21007474	**16'591.80**
150	–	D A / A and B	Red	72,0	**16**	21007475	**10'204.40**

GATE VALVE ACCESSORIES

Hand wheel for actuating gate valve PN 16
Water, wastewater, gas

Version: offset sheet-metal hand wheel
Material: sheet steel
Surface protection: EPC coating RAL 8022 (black)

Figure 8316 EPOXY

DN / dR	Diameter mm	Sp □ DIN no.	kg	PN bar	Part no.	€
20-50	150	12	0,4	**16**	10072244	**27.60**
40 / 50	200	14	0,65	**16**	10071377	**33.70**
65 / 80	250	17	1,22	**16**	10071354	**48.00**
100 / 150	300	19	1,96	**16**	10071356	**67.00**
200	400	24	3,89	**16**	10071357	**106.80**
250/300	400	27	3,76	**16**	10072241	**144.10**

Switzerland, DN 25-50, Sp □ DIN no. 12

GATE VALVE ACCESSORIES

Hand wheel for actuating gate valve PN 16
Water, wastewater, gas

Version: Cast handwheel
Material: cast iron EN GJL-250
Surface protection: thick layer EPOXY coating (EWS) RAL 5015 (blue)

Figure 8317 EPOXY

DN/dR	Diameter mm	Sp □ DIN no.	kg	PN bar	Part no.	€
40/50	200	14	2,0	**16**	10022676	**176.30**
65/80	250	17	2,0	**16**	10022677	**189.10**
100/150	315	19	2,4	**16**	10022678	**203.80**
200	400	24	3,6	**16**	10022679	**272.70**
250/300	400	27	6,5	**16**	10022680	**274.80**
350	500	27	6,5	**16**	10022681	**354.20**
400	640	32	2,4	**16**	10022698	**566.90**
500/600	800	32	14,0	**16**	10022699	**622.60**

GATE VALVE ACCESSORIES

Chain wheel for actuating gate valves PN 16
Water, wastewater, gas

Version: chain wheel with chain guide and bracket
Material: chain wheel EN GJL-250 | chain bracket St 37 | washers stainless steel
Surface protection: thick layer EPOXY coating (EWS) RAL 5015

Figure 8260 EPOXY

Component	Diameter mm	Sp □ DIN no.	kg	PN bar	Part no.	€
Chain wheel	235	14	0,40	**16**	10022701	**777.20**
Chain wheel	235	17	0,65	**16**	10022702	**470.20**
Chain wheel	330	19	1,22	**16**	10022703	**1'283.40**
Chain wheel	330	24	1,96	**16**	10022704	**976.50**
Chain wheel	400	27	3,89	**16**	10022705	**1'621.50**

Chain for chain wheel Figure 8260
Water, wastewater, gas

Version: chain
Material: galvanised steel or stainless steel

Figure 8263

Component	kg/m	PN bar	Part no.	€
Chain galvanised steel 18,5 × 5	1,8	**16**	10013269	**57.60**
Chain stainless steel 18,5 × 5	1,8	**16**	10019289	**99.50**

Price per metre without chain lock

GATE VALVE ACCESSORIES

Position indicator
Water, wastewater, gas

Version: for gate valves | mechanical
Materials: positioning ring and threaded ring in brass | indicator in stainless steel
Surface protection: –

Figure 5140

DN	Spindle Ø	Sp □ DIN no.	kg	Part no.	€
40/50	20	14	0,4	10013778	**470.20**
65/80	22	17	0,4	10013779	**521.70**
100/150	25	19	0,4	10013780	**590.20**
200	30	24	0,4	10013781	**682.90**
250/300	36	27	0,4	10013782	**693.50**

with electric limit switches open – close on request

FLOOR PEDESTALS

Floor pedestal
Water, wastewater, gas

Version: prepared to receive spindle extension and hand wheel
Material: pillar steel-weldinged ST 37 | sealing bush in brass
Surface protection: thick layer EPOXY coating (EWS) RAL 5015

Figure 8383

DN	Spindle Ø max. mm	Sp □ DIN no.	kg	PN bar	Part no.	€
40-300	36	14-27	15,0	**16**	10013273	**1'047.70**

Floor pedestal
Water, wastewater, gas

Version: with ISO flange for electric drive
Material: pillar steel-weldinged in ST 37
Surface protection: thick layer EPOXY coating (EWS) RAL 5015

Figure 8384

DN	Spindle Ø max. mm	Sp □ DIN no.	Flange	kg	PN bar	Part no.	€
40-150	36	14-19	F 07	15.0	**16**	10021428	**1'079.30**
80-150	36	14-19	F 10	15.0	**16**	10022719	**1'078.20**
200-300	36	22-27	F 14	15.0	**16**	10022720	**1'272.50**

SPINDLE EXTENSION

Spindle extensions for gate valves with use of floor pedestal with hand wheel DN 40 to DN 300

Version: for gate valves | with use of floor pedestal with hand wheel | stainless-steel-weldinged spindle extension | with coupling socket in cast iron

Material: spindle extension in stainless steel | coupling socket in galvanised cast iron

Figure 8380

DN / dR	Diameter max. mm	Sp □ DIN no.		PN bar	Part no.	€
40 / 50	36	14		**16**	10022721	**880.40**
65 / 80	36	17	Prices fo spindle extensions up to 2 m	**16**	10022722	**880.40**
100 / 150	36	19		**16**	10022724	**881.30**
200	36	24		**16**	10022725	**880.40**
250 / 300	36	27		**16**	10022771	**880.40**

Surcharge for spindle extensions on request

WALL BRACKET

Wall bracket for shaft installation
Water, wastewater, gas

Version: adjustable wall bracket for mounting spindle extensions
Material: stainless steel

Figure 8382

DN	Spindle Ø max. mm	Sp □ DIN no.	kg	PN bar	Part no.	€
40/300	36	14-27	2,0	**16**	10022783	**286.80**

max. projection 500 mm, to be specified when ordering

INSTALLATION SETS

Telescopic installation sets DN 40 to DN 300

Version: Germany | for gate valves | with pinless connection by threaded adapter
Materials: protective tube and sleeve bell end in HDPE | key rod galvanised RSt-2 | coupling socket GT 35-10 | split pins, springs and pins in stainless steel

Figure 8324

DN	Sp □ DIN no.	Rod length m	Pipe cover depth m	kg	Part no.	€
20/50	12	0,44-0,69	0,75-0,95	3,3	10019290	**159.20**
20/50	12	0,59-0,97	0,87-1,25	3,5	10022706	**133.50**
20/50	12	0,74-1,25	1,02-1,53	4,0	10019654	**128.70**
20/50	12	0,89-1,55	1,17-1,83	4,5	10007509	**117.40**
20/50	12	1,32-2,42	1,60-2,60	7,0	10019291	**238.40**
40/50	14	0,51-0,82	0,79-1,10	3,5	10019653	**110.40**
40/50	14	0,65-1,11	0,93-1,39	4,0	10019655	**130.10**
40/50	14	0,86-1,52	1,14-1,80	4,5	10007551	**138.20**
40/50	14	1,31-2,42	1,59-2,70	7,0	21017597	**254.10**
65	17	0,43-0,65	0,76-0,98	3,5	10022707	**139.00**
80	17	0,43-0,65	0,78-1,00	3,5	10022707	**139.00**
65	17	0,66-1,11	0,99-1,44	4,0	10022711	**129.80**
80	17	0,66-1,11	1,01-1,46	4,0	10022711	**129.80**
65	17	0,77-1,35	1,10-1,68	4,5	10022714	**152.20**
80	17	0,77-1,35	1,12-1,70	4,5	10022714	**152.20**
65	17	1,31-2,42	1,64-2,75	7,0	10019659	**257.90**
80	17	1,31-2,42	1,66-2,77	7,0	10019659	**257.90**
100	19	0,41-0,62	0,79-1,00	3,5	10022708	**160.60**
125	19	0,41-0,62	0,81-1,02	3,5	10022708	**160.60**
150	19	0,41-0,62	0,84-1,05	3,5	10022708	**160.60**
100	19	0,61-1,02	0,99-1,40	4,0	10019656	**145.60**
125	19	0,61-1,02	1,01-1,42	4,0	10019656	**145.60**
150	19	0,61-1,02	1,04-1,45	4,0	10019656	**145.60**
100	19	0,77-1,35	1,15-1,73	4,5	10007552	**154.70**
125	19	0,77-1,35	1,17-1,75	4,5	10007552	**154.70**
150	19	0,77-1,35	1,20-1,78	4,5	10007552	**154.70**
100	19	1,31-2,42	1,69-2,80	7,0	21022579	**298.20**
125	19	1,31-2,42	1,71-2,82	7,0	21022579	**298.20**
150	19	1,31-2,42	1,74-2,85	7,0	21022579	**298.20**
200	24	0,37-0,54	0,89-1,06	3,5	10022709	**178.50**
200	24	0,54-0,88	1,06-1,40	4,0	10019657	**179.80**
200	24	0,71-1,22	1,23-1,74	4,5	10019658	**185.50**
200	24	1,11-2,02	1,63-2,54	7,0	10019660	**373.50**
250	27	0,34-0,48	0,95-1,09	3,5	10022710	**229.90**
300	27	0,34-0,48	0,99-1,13	3,5	10022710	**229.90**
250	27	0,42-0,66	1,03-1,27	4,0	10022713	**220.10**
300	27	0,42-0,66	1,07-1,31	4,0	10022713	**220.10**
250	27	0,65-1,11	1,26-1,72	4,5	10022715	**241.40**
300	27	0,65-1,11	1,30-1,76	4,5	10022715	**241.40**
250	27	1,11-2,02	1,72-2,63	7,0	10022716	**577.70**
300	27	1,11-2,02	1,76-2,76	7,0	10022716	**577.70**

INSTALLATION SETS

Telescopic installation sets DN 40 to DN 300

Version: Germany | for gate valves | with stepless connection by threaded adapter
Materials: protective tube and sleeve bell end in HDPE | key rod stainless steel | coupling socket GT 35-10 | split pins, springs and pins in stainless steel

Figure 8348

DN	Sp □ DIN no.	Rod length m	Pipe cover depth m	kg	Part no.	€
40/50	14	0,51-0,82	0,79-1,10	3,5	10019661	**184.60**
40/50	14	0,65-1,11	0,93-1,39	4,0	10019666	**201.70**
40/50	14	0,86-1,52	1,14-1,80	4,5	10019670	**235.10**
40/50	14	1,31-2,42	1,59-2,70	7,0	10019674	**281.40**
65	17	0,43-0,65	0,76-0,98	3,5	10019662	**191.10**
80	17	0,43-0,65	0,78-1,00	3,5	10019662	**191.10**
65	17	0,66-1,11	0,99-1,44	4,0	10019667	**210.30**
80	17	0,66-1,11	1,01-1,46	4,0	10019667	**210.30**
65	17	0,77-1,35	1,10-1,68	4,5	10019671	**213.30**
80	17	0,77-1,35	1,12-1,70	4,5	10019671	**213.30**
65	17	1,31-2,42	1,64-2,75	7,0	10022717	**287.70**
80	17	1,31-2,42	1,66-2,77	7,0	10022717	**287.70**
100	19	0,41-0,62	0,79-1,00	3,5	10019663	**204.00**
125	19	0,41-0,62	0,81-1,02	3,5	10019663	**204.00**
150	19	0,41-0,62	0,84-1,05	3,5	10019663	**204.00**
100	19	0,61-1,02	0,99-1,40	4,0	10019668	**225.40**
125	19	0,61-1,02	1,01-1,42	4,0	10019668	**225.40**
150	19	0,61-1,02	1,04-1,45	4,0	10019668	**225.40**
100	19	0,77-1,35	1,15-1,73	4,5	10019672	**242.20**
125	19	0,77-1,35	1,17-1,75	4,5	10019672	**242.20**
150	19	0,77-1,35	1,20-1,78	4,5	10019672	**242.20**
100	19	1,31-2,42	1,69-2,80	7,0	10022718	**296.40**
125	19	1,31-2,42	1,71-2,82	7,0	10022718	**296.40**
150	19	1,31-2,42	1,74-2,85	7,0	10022718	**296.40**
200	24	0,37-0,54	0,89-1,06	3,5	10019664	**249.00**
200	24	0,54-0,88	1,06-1,40	4,0	10020905	**274.80**
200	24	0,71-1,22	1,23-1,74	4,5	10027417	**331.80**
200	24	1,11-2,02	1,63-2,54	7,0	10019675	**371.50**
250	27	0,34-0,48	0,95-1,09	3,5	10019665	**259.80**
300	27	0,34-0,48	0,99-1,13	3,5	10019665	**259.80**
250	27	0,42-0,66	1,03-1,27	4,0	10019669	**281.40**
300	27	0,42-0,66	1,07-1,31	4,0	10019669	**281.40**
250	27	0,65-1,11	1,26-1,72	4,5	10019673	**313.60**
300	27	0,65-1,11	1,30-1,76	4,5	10019673	**313.60**
250	27	1,11-2,02	1,72-2,63	7,0	10019676	**611.80**
300	27	1,11-2,02	1,76-2,76	7,0	10019676	**611.80**

INSTALLATION SETS

Telescopic installation set DN 40 to DN 600

Version: Germany | for gate valves | stepless height adjustment (secured by split pin) | with sleeve bell end
Material: protective tube and sleeve bell end in HDPE | key rod galvanised RSt-2 | coupling socket GT 35-10 | split pins, springs and pins in stainless steel

Figure 8325

DN	Sp □ DIN no.	Pipe cover depth m	kg	Part no.	€
40/50	14	0,9-1,2	3,5	10007510	**107.40**
40/50	14	1,0-1,5	4,0	10019678	**142.50**
40/50	14	1,3-1,8	4,5	10007516	**120.40**
40/50	14	1,7-2,7	7,0	10019681	**249.00**
65/80	17	0,95-1,3	3,5	10007511	**150.50**
65/80	17	1,0-1,5	4,0	10007514	**147.70**
65/80	17	1,3-1,8	4,5	10007517	**155.80**
65/80	17	1,7-2,7	7,0	10019682	**264.10**
100/150	19	1,0-1,35	3,5	10007512	**175.90**
100/150	19	1,0-1,5	4,0	10007515	**150.10**
100/150	19	1,3-1,8	4,5	10007518	**168.70**
100/150	19	1,7-2,8	7,0	10019683	**300.50**
200	24	0,9-1,2	3,5	10007513	**177.50**
200	24	1,05-1,5	4,0	10019679	**161.20**
200	24	1,3-1,8	4,5	10007519	**174.00**
200	24	1,75-2,65	7,0	10019684	**354.20**
250/300	27	0,95-1,2	3,5	10019677	**197.50**
250/300	27	1,1-1,5	4,0	10019680	**227.40**
250/300	27	1,3-1,8	4,5	10007520	**424.80**
250/300	27	1,7-2,7	7,0	10019685	**446.60**
350	27	1,65-2,1	15,0	10019687	**918.90**
350	27	2,1-3,0	16,5	10019686	**1'127.00**
400	32	1,30-1,60	14,5	10013271	**896.00**
400	32	1,5-1,95	15,0	10007430	**956.70**
400	32	1,85-2,65	16,5	10013272	**1'055.70**
500	32	1,45-1,75	22,5	10014524	**1'021.80**
500	32	1,65-2,05	23,0	10014525	**1'043.90**
500	32	2,0-2,55	24,5	10019117	**1'108.90**
600	32	1,60-1,85	22,5	10014607	**1'243.70**
600	32	1,75-2,2	23,0	10014606	**1'295.40**
600	32	2,0-2,70	24,5	10019118	**1'412.00**

INSTALLATION SETS

Adjustable installation sets

Version: Germany | for valve tapping saddles | stepless height adjustment | with sleeve bell end | sand protection washer
Materials: protective tube and sleeve bell end in HDPE | key rod galvanised RSt-2 | coupling socket GT 35-10 | split pins, springs and pins in stainless steel

Figure 8326

DN	Sp □ DIN no.	Rod length m	Pipe cover depth m	kg	Part no.	€
1 ½"/2"	12	0,46-0,73	0,75-1,00	2,5	10020907	**121.90**
1 ½"/2"	12	0,71-1,22	1,00-1,50	2,5	10020906	**105.40**
1 ½"/2"	12	1,00-1,63	1,30-1,90	3,0	10007547	**112.50**
1 ½"/2"	12	1,31-2,42	1,70-2,70	4,0	10020908	**378.00**

HYDRANT ACCESSORIES

Drainage stones DN 80 to DN 100

Version: for hydrants to DIN standard | 2-piece cylindrical form
Materials: lightweight concrete | polystyrene

DN	Form	Use	kg	Part no.	€
80/100	Cylinder	Keula hydrants	13,6	32001130	**44.70**
80/100	Cylinder	all hydrants	0,3	32001213	**37.70**

Frost jacket DN 80 to DN 100

Version: for underground hydrants to DIN standard | two-piece design | with interlinking segments (250 mm) in polystyrene | for various pipe depths of cover
Materials: polystyrene

DN	Form	Use	kg	Part no.	€
80	Head/foot segment	Underground hydrant	0,17	31003927	**44.70**
80	Interlink (250 mm long)	Underground hydrant	0,81	31003936	**14.50**

HYDRANT ACCESSORIES

Claw extension

Version: for KHK underground hydrants
Tests: –
Materials: –
Surface protection: –

DN	Extension mm	Material	Use	kg	Part no.	€
80	100	Coated cast iron	Underground hydrant	3,6	10049661	**355.60**
80	150	Coated cast iron	Above-ground hydrant	4,2	10049726	**359.40**
80	200	Coated cast iron	Above-ground hydrant	4,5	10049662	**444.60**
80	250	Coated cast iron	Above-ground hydrant	5,5	10049727	**520.50**
80	300	Coated cast iron	Above-ground hydrant	6,4	10049663	**623.80**

Spindle extension

Version: for KHK underground hydrants
Tests: –
Materials: –
Surface protection: –

DN	Extension mm	Material	Use	kg	Part no.	€
80	100	Coated cast iron	Underground hydrant	3,6	10049664	**152.90**
80	150	Coated cast iron	Above-ground hydrant	4,2	10049728	**143.50**
80	200	Coated cast iron	Above-ground hydrant	4,5	10049666	**191.40**
80	250	Coated cast iron	Above-ground hydrant	5,5	10050386	**155.60**
80	300	Coated cast iron	Above-ground hydrant	6,4	10049665	**176.60**

HYDRANT ACCESSORIES

Hydrant extension

Version: for VONROLL underground hydrants to DIN standard | comprising spindle extension and claw extension

Figure 5529

DN	Extension Pipe cover depth mm	Component length mm	Material	kg	Part no.	€
80	100	280	Coated cast iron	9,0	10013274	**463.40**
80	200	380	Coated cast iron	13,0	10013276	**611.50**
80	300	480	Coated cast iron	17,0	10007431	**738.60**

Claw adapter

Version: for KHK underground hydrant DN 100 | for converting to DN 80 standpipe
Materials: coated cast iron

DN	DN	Form	kg	Part no.	€
100/80	Claw adapter	Underground hydrant DN 100	7,1	10043962	**504.00**

HYDRANT ACCESSORIES

Claw with self-closing cap

Version: Germany | for VONROLL underground hydrant
Materials: coated cast iron

DN	Form	Use	kg	Part no.	€
80	Replacement claw with self-closing cap	Underground hydrant	3,4	10007432	**206.10**

Claw cover for VONROLL underground hydrants

Version: Germany | for VONROLL underground hydrants
Materials: coated cast iron

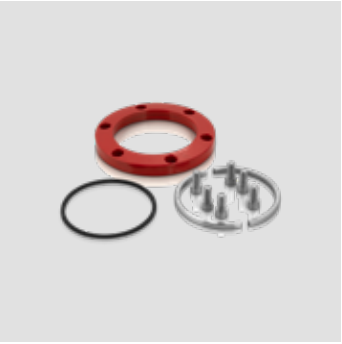
Figure 8327

DN	Form	Use	kg	Part no.	€
80	Claw cap	Underground hydrant	2,0	10022793	**311.80**

HYDRANT ACCESSORIES

Frangible coupling for standpost hydrant DN 80 | DN 100

Version: comprising breakaway ring | snap ring | sealing ring | hexagon screws
Materials: coated cast iron



DN	Form	Use	kg	Part no.	€
80/100	Frangible coupling	Model 94/08/FMH/ASH	2,5	10049715	**313.20**
80/100	Frangible coupling	Model 89/90/91	3,35	10043961	**366.50**

Operating key for valves

Version: Germany
Materials: Typ A/Typ B coated cast iron | Typ C/Typ D/Typ D galvanised steel

DN	Form	Use	kg	Part no.	€
80/100	Typ A	Underground hydrant	1,0	32001329	**193.00**
80/100	Typ B	Above-ground hydrant	3,5	32001330	**275.40**
	Typ C (square drive 27/32)	Underground hydrant, butterfly valve, gate valve up to DN 400	5,7	21025332	**233.10**
450/600	Typ D (square drive 48/53)	Gate valve from DN 450	14,0	10022682	**860.00**
	Typ E Galvanised steel	House connection valves	1,8	32001061	**104.20**

Picture example actuation key type C

BUTTERFLY VALVE ACCESSORIES

Handwheels for operating butterfly valves and metal-sealing gate valves
Water, gas

Version: with handle
Materials: cast aluminium alloy with EPC coating in black

Figure 6029

DN	Diameter mm	Shaft mm	kg	PN	Part no.	€
150-250	250	16-B	1,1	**10/16**	32001503	**148.80**
250	250	20-B	1.1	**16**	32001504	**215.70**
300/350	315	20-B	1.1	**10/16**	32001505	**277.40**
400-1200	400	20-B	1.1	**10**	32001506	**318.30**
1200/1400	500	30-B	3,6	**10/16**	32001507	**455.80**

BUTTERFLY VALVE ACCESSORIES

Telescopic installation set for butterfly valves (KHK) DN 150 to DN 1400

Version: installation set with telescopic adjustment | with tension-resistant joint | with screw-down bell housing for ISO flange on gearbox of butterfly valve

Materials: protective tube and sleeve bell end in HDPE | key rod stainless steel | coupling socket in galvanised cast iron | square drive cap die-cast zinc

Figure 6031

DN	Pipe cover depth m	PN	Part no.	€
150-250	1,00 to 1,50	**10/16**	32002281	**696.10**
250-1200	1,00 to 1,50	**10/16**	32001684	**573.20**
1200-1400	1,00 to 1,50	**10/16**	32002991	**1'030.90**
150-250	1,20 to 1,80	**10/16**	31004168	**589.50**
250-1300	1,20 to 1,80	**10/16**	32001409	**589.50**
1200-1400	1,30 to 1,80	**10/16**	32001410	**974.30**
150-250	1,70 to 2,70	**10/16**	32002994	**978.40**
250-1200	1,70 to 2,70	**10/16**	32002871	**844.20**
1200-1400	1,70 to 2,70	**10/16**	32003009	**1'039.20**

TILTING DISC CHECK VALVE ACCESSORIES

Protective grid

Version: for swing check valve
Surface protection: –

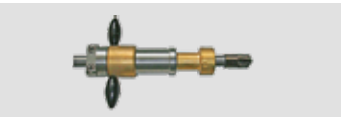
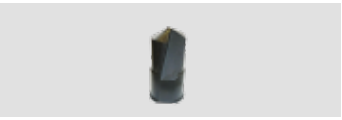
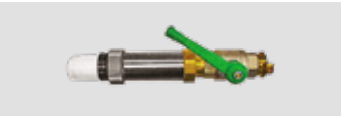
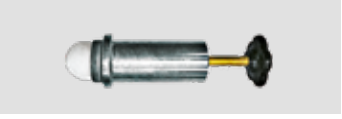
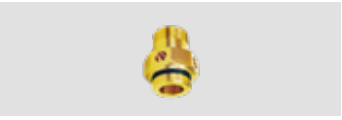
Figure 5337

DN Figure 5322	DN Figure 5593	kg	Part no.	€
50/200	50/100	2,5	21021084	on request
250/300	125/150	3,5	21021069	on request
350/400	200	4,3	21021070	on request
450	250	6,0	21007980	on request
500	300	6,0	21007979	on request
600	–	8,5	21007978	on request
700	–	9,0	21007973	on request
800	–	10,0	21007954	on request

PERFECT BORE-TAPPING DEVICE AND ACCESSORIES

Perfect bore-tapping device

Version: with boring bar | tapping ratchet | screw-on fitting 1 1/2" | ransport case (without tapping tool)
Surface protection: –

	Description	Use	kg	Part no.	€
	**Perfekt bore-tapping device with boring bar | tapping ratchet | screw-on fitting 1½" and transport case**	Valve/Hütz tapping saddle	20,0	10000338	**5'524.00**
	**Twist drill HSS D = 31 mm | RP 3/8" | 65 mm long**	Steel and cast iron piping	0,1	10007508	**652.50**
	Twist drill HSS D = 36 mm | RP 3/8" | 65 mm long	Steel and cast iron piping	0,1	10019340	**645.60**
	Twist drill HSS D = 45 mm | RP 3/8" | 70 mm long	Steel and cast iron piping	0,1	10019341	**1'144.20**
	Hole cutter HSS D = 31 mm | RP 3/8"	Steel and cast iron piping	0,4	10025315	**628.60**
	Hole cutter HSS D = 36 mm | RP 3/8"	Steel and cast iron piping	0,4	10019342	**766.70**
	Hole cutter HSS D = 45 mm | RP 3/8"	Steel and cast iron piping	0,4	10019343	**949.90**
	**Union auxiliary valve 1½"**	for all valve tapping saddles with union angle valve	–	10019344	**2'335.20**
	Bulb-type auxiliary valve 1½"	for all valve tapping saddles with bulb-type angle valve	–	10019345	**424.50**
	**Ball-type auxiliary valve 2"**	for all valve tapping saddles with 2" angle valve	–	10019386	**1'299.10**
	**Screw-on fitting for Hütz bore-tapping device with 1¼" ET right and 1½" ET left**	for all valve tapping saddles with 1½" angle valve	–	10019346	**266.80**

PERFECT BORE-TAPPING DEVICE AND ACCESSORIES

Perfect bore-tapping device

Version: with boring bar | tapping ratchet | screw-on fitting 1.5" | transport case (without tapping tool)
Surface protection: –

	Description	Use	kg	Part no.	€
	AScrew-on fitting with 1 ¼" ET right and W 2" ET left with flushing tap	for all W 2" valve tapping saddles with reduced hole size (36 mm)	–	10019385	**645.70**
	Screw-on fitting with 1 ¼" ET right and G 2" ET left with flushing tap	for all G 2" valve tapping saddles with full-size hole (45 mm)	–	10019347	**707.60**
	Adapter G 2" IT left to W 2" ET left	for W 2" valve tapping saddles with reduced hole size (36 mm)	–	10022784	**655.10**
	Adapter G 2" IT left to 1 ½" ET left	for 1 ½" valve tapping saddle	–	10022785	**639.60**
	Adapter W 2" IT left to 1 ½" ET left	for 1 ½" valve tapping saddle	–	10022786	**646.00**
	Adapter 1 ½" IT left to 1 ¼" IT right	for EWE bore-tapping device	–	10022787	**619.60**
	Adapter 1" ET to G 2" IT left	for 1" Hütz valve tapping saddle	–	10022788	**574.80**
	Adapter 1 ¼" ET to G 2" IT left	for 1 ¼" ütz valve tapping saddle	–	10022789	**574.80**
	Adapter 1 ½" ET to G 2" IT left	for 1 ½" Hütz valve tapping saddle	–	10022791	**574.80**
	Adapter 2" ET to G 2" IT left	for 2" Hütz valve tapping saddle	–	10022792	**574.80**

GENERAL ACCESSORIES FOR VARIOUS VALVES AND FITTINGS

Access covers

Version: to DIN standard (Germany)

Description	Material	Use	kg	Part no.	€
Access cover DIN 4056 for ISOLATION valves with W marking	Cast iron EN-JL 1030	for drinking water ISOLATION valves	10,5	10022795	**90.30**
Access cover DIN 4056 for ISOLATION valves with A marking	Cast iron EN-JL 1030	for wastewater ISOLATION valves	10,5	10012193	**227.10**

Description	Material	Use	kg	Part no.	€
Plastic access cover DIN 4056 for ISOLATION valves with W marking	Body PA66 | cover cast iron EN-JL 1030	for drinking water ISOLATION valves	5,7	10019855	**156.90**
Plastic access cover DIN 4056 for ISOLATION valves with A marking	Body PA66 | cover cast iron EN-JL 1030	for wastewater ISOLATION valves	5,7	10022615	**270.60**
Plastic access cover, height adjustable, DIN 4056 for ISOLATION valves with W marking	Body PA66 | cover cast iron EN-JL 1030	for drinking water ISOLATION valves	9,0	10022675	

Description	Material	Use	kg	Part no.	€
Access cover DIN 4058 for ISOLATION valves with G marking	Cast iron EN-JL 1030	for gas ISOLATION valves	15,0	10019261	**118.00**

Description	Material	Use	kg	Part no.	€
Access cover DIN 4057 for ISOLATION valves with W marking	Cast iron EN-JL 1030	for drinking water house connection valves	6,0	10012195	**85.00**
Access cover DIN 4057 for ISOLATION valves with G marking	Cast iron EN-JL 1030	for gas house connection valves	9,0	10012196	**66.50**

GENERAL ACCESSORIES FOR VARIOUS VALVES AND FITTINGS

Access covers

Version: to DIN standard (Germany)

Description	Material	Use	kg	Part no.	€
Plastic access cover DIN 4057 for ISOLATION valves with W marking	Body PA66 | cover cast iron EN-JL 1030	for drinking water house connection valves	3,15	10012197	**133.10**
Plastic access cover DIN 4057 for ISOLATION valves with A marking	Body PA66 | cover cast iron EN-JL 1030	for wastewater house connection valves	3,15	10022667	**133.10**

Description	Material	Use	kg	Part no.	€
Access cover DIN 4055 for underground hydrants DN 80	Cast iron EN-JL 1030	for underground hydrants DN 80	24,0	10022671	**169.80**
Access cover DIN 4055 for underground hydrants DN 100	Cast iron EN-JL 1030	for underground hydrants DN 100	53,0	32004081	**1'463.10**

Description	Material	Use	kg	Part no.	€
Plastic access cover DIN 4055 for underground hydrants DN 80	Body PA66 | cover cast iron EN-JL 1030	for underground hydrants DN 80	15,05	10022672	**378.00**

GENERAL ACCESSORIES FOR VARIOUS VALVES AND FITTINGS

Support plates, bordering plates
from Access covers

Version: to DIN standard (Germany)

Description	Material	Use	kg	Part no.	€
Support plate DIN 4056	Beton	**for ISOLATION valves** Drinking water / waste water / gas	15,5	10022620	**45.10**
Support plate DIN 4056	PEHD	**for ISOLATION valves** Drinking water / waste water / gas	2,2	10022632	**45.10**
Support plate DIN 4057	Beton	**for house connection fittings** Drinking water / waste water / gas	14,0	10022668	**45.10**
Support plate DIN 4057	PEHD	**for house connection fittings** Drinking water / waste water / gas	2,2	10022669	**45.10**
Support plate DIN 4055	Beton	**for underground hydrants** DN 80	25,5	10022673	**45.10**
Support plate DIN 4055	PEHD	**for underground hydrants** DN 80	2,6	21022469	**45.10**
bordering plates DIN 4057	Beton	**for ISOLATION valves** Trinkwasser / Abwasser	14,0	10022659	**51.50**
bordering plates DIN 4057	Beton	**for ISOLATION valves** Gas	13,0	10022665	**56.00**
bordering plates DIN 4057	Beton	**for house connection fittings** Trinkwasser / Abwasser	17,5	10022670	**49.50**
bordering plates DIN 4055	Beton	**for underground hydrants** DN 80	20,0	10022674	**56.50**

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