



RADIUS
AEON



CATALOG

2026

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CONTENTS



WATER EQUIPMENT

Ecovalve™ water valve flanged F4	6
Ecovalve™ water valve flanged F4	7
Ecovalve™ water valve flanged F5	8
Ecovalve™ water valve flanged F5	9
Ecovalve™ water valve with PE fittings	10
Water service valve threads BSP GW-GW	11
Water service valve threads BSP GW-GZ	12
ISO fitting service valve	13
Universal flange adapter	14
Universal flange adapter for PVC and PE pipes	15
Telescopic extension spindle for Ecovalve™ water valves	16
Telescopic extension spindle for service valves	17
Fixed extension spindle for water valves	18
Hand wheel for water valves	19
Surface box for valves	20



GAS EQUIPMENT

Optivalve™ gas valve flanged F4	22
Optivalve™ gas valve flanged F5	23
Optivalve Plus™ gas valve flanged F4	24
Optivalve Plus™ gas valve flanged F5	25
Optivalve Plus™ gas valve flanged F4	26
Optivalve Plus™ gas valve flanged F4	27
Optivalve™ gas valve with PE fittings	28
Optivalve Plus™ gas valve with PE fittings	29
Optivalve™ gas valve with steel ends	30
Optivalve Plus™ gas valve with steel ends	31
Optivalve Plus™ gas valve with steel ends	32
Optivalve Plus™ gas valve with steel ends	33
Optivalve Plus™ gas valve cast iron flanged	34
Optivalve Plus™ gas valve cast iron with PE fittings	35
Telescopic extension spindle for gas valves Optivalve™	36
Telescopic extension spindle for gas valves Optivalve Plus™	38
Fixed extension spindle for for gas valves	40
Hand wheel for gas valves	41
Surface box for gas valves	42
Position indicator for valves	43



VALVE ACCESSORIES

Cap on the valve stem	44
T key	44
Support Tile	44



FIRE PROTECTION AND WATER SUPPLY EQUIPMENT

Smart underground hydrant with single seal	46
Smart underground hydrant with double-seal	47
AquaSmart overground hydrant with single seal	48
Smart above-ground hydrant DN150 PN16 with single closing Type C	49
Telescopic vertical indicator post for gate valves	50
Non-rising gate valve with soft seal	51
Surface box for hydrant	52
Double flange bends Type N	52



SEWAGE EQUIPMENT

Ecovalve™ sewage valve flanged F4	54
Ecovalve™ sewage valve flanged F5	55
Ecovalve™ sewage valve with PE fittings	56



PUR POLYURETHANE COATINGS

PUR polyurethane coatings	58
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About Us

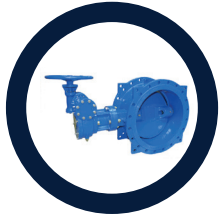
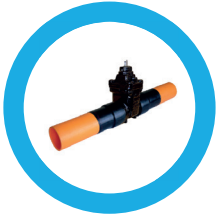
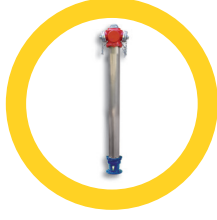
We are part of the RADIUS Group, one of the world's largest pipe manufacturers, specializing in components for new installations, repairs, or upgrades of existing pipeline networks. We specialize in providing top-quality, precisely engineered gate valves that meet the unique needs of the gas, water, and fire protection sectors.

We have a qualified engineering staff, thanks to which we can find the right structural solutions for valves and connectors, for all needs related to flow control of media in pipelines.

Our offer also includes an innovative service of applying two-component polyurethane coatings to all types of products. The PUR coating is compatible with other coatings and raw materials. It provides additional anti-corrosion, anti-spark, and protection against corrosive chemicals. The coating can be used on fittings end for water, gas, and aggressive media. PUR coatings are also used in installations dedicated to the transmission of gas and hydrogen mixtures. The technological process is carried out entirely in our production plant in Szamotuły, which guarantees 100% quality control and constant process parameters.



Leisuresec Registration: 2011/608





WATER EQUIPMENT



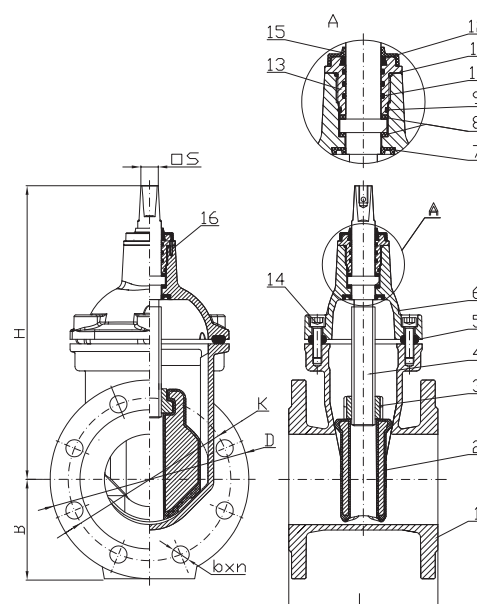
Please use product codes when placing your order.

RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F4

DN 40 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Main seal	Elastomer EPDM
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer EPDM
10	O-ring Seal	Elastomer EPDM
11	O-ring Seal	Elastomer EPDM
12	Dust Seal	Elastomer NBR
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Bonnet Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70



Dimension:

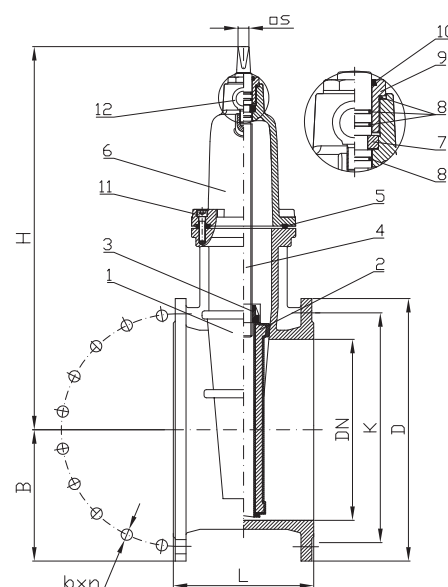
DN		40	50	65	80	100	125	150	200	250	300
F4	PN10	AD0351	AD0352	AD0353	AD0354	AD0355	AD0356	AD0357	AD0361	AD0362	AD0363
	PN16								AD0358	AD0359	AD0360
L		140	150	170	180	190	200	210	230	250	270
H		205	218	255	277	325	355	395	482	572	662
B		70	75	85	95	102	120	134	165	196	225
K PN16 / PN10		110	125	145	160	180	210	240	295	355 / 350	410 / 400
b×n PN16 / PN10		19×4	19×4	19×4	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12
D		150	165	185	200	220	250	285	340	405	460
Stem Top Square □S		14	14	17	17	19	19	19	24	27	27
Weight [kg]		8.5	9.5	11.5	13.0	17.5	24.0	31.5	54.0	76.5	109.5

RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F4

DN 350 - DN 600



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Support Bush	Leaded Brass
8	O-ring Seal	Elastomer EPDM
9	Gland Bush	Brass
10	Dust Seal	Elastomer EPDM
11	Bonnet Screws	Stainless Steel A2-70
12	Eye-Bolts	Steel Zinc plated



Dimension:

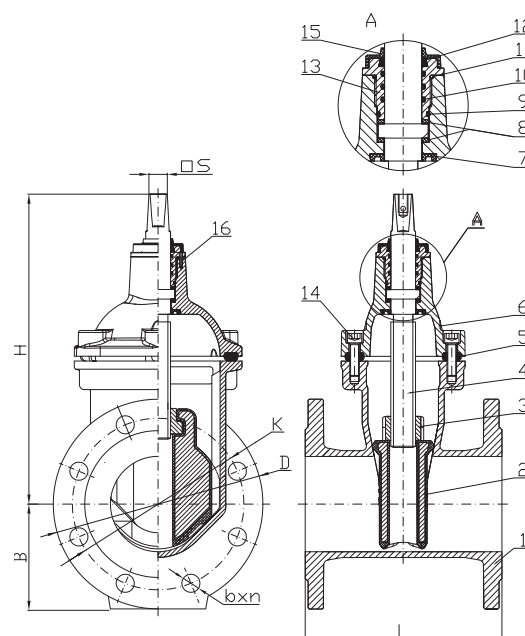
DN		350	400	450	500	600
F4	PN10	AD0312	AD0313	AD0314	AD0315	AD0316
	PN16	AD0317	AD0318	AD0319	AD0320	AD0321
L		290	310	330	350	390
H		760	840	965	1005	1150
B		260	290	320	357,5	420
K PN10 / PN16		460 / 470	515 / 525	515 / 525	620 / 650	725 / 770
b × n PN10 / PN16		23×16 / 28×6	28×16 / 31×16	28×16 / 31×16	28×20 / 34×20	31×20 / 37×20
D		520	580	580	715	840
Stem Top Square □ S		27	27	27	32	32
Weight [kg]		158	195,5	269	323	523

RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F5

DN 40 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Main seal	Elastomer EPDM
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer EPDM
10	O-ring Seal	Elastomer EPDM
11	O-ring Seal	Elastomer EPDM
12	Dust Seal	Elastomer NBR
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Bonnet Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70



Dimension:

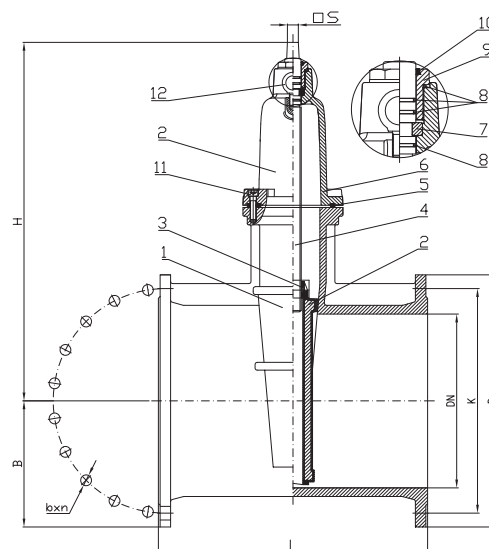
DN		40	50	65	80	100	125	150	200	250	300
F5	PN10	AD0364	AD0365	AD0366	AD0367	AD0368	AD0369	AD0370	AD0374	AD0375	AD0376
	PN16								AD0371	AD0372	AD0373
L		240	250	270	280	300	325	350	400	450	500
H		205	218	255	277	325	355	395	482	572	662
B		70	75	85	95	102	120	134	165	196	225
K PN16 / PN10		110	125	145	160	180	210	240	295	355 / 350	410 / 400
b x n PN16 / PN10		19x4	19x4	19x4	19x8	19x8	19x8	23x8	23x12 / 23x8	27x12 / 23x12	27x12 / 23x12
D		150	165	185	200	220	250	285	340	405	460
Stem Top Square □S		14	14	17	17	19	19	19	24	27	27
Weight [kg]		10,6	11,8	12,2	14,4	20,2	32,7	34,8	64	87	146,4

RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F5

DN 400 - DN 600



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Support Bush	Leaded Brass
8	O-ring Seal	Elastomer EPDM
9	Gland Bush	Brass
10	Dust Seal	Elastomer EPDM
11	Bonnet Screws	Stainless Steel A2-70
12	Eye-Bolts	Steel Zinc plated



Dimension:

DN		400	500	600
F5	PN10	AD0979	AD0980	AD0981
	PN16	AD0982	AD0983	AD0984
L		600	700	800
H		840	1005	1150
B		290	357,5	420
K PN10 / PN16		515 / 525	620 / 650	725 / 770
b x n PN10 / PN16		28×16 / 31×16	28×20 / 34×20	31×20 / 37×20
D		580	715	840
Stem Top Square □ S		27	32	32
Weight [kg]		250,6	402	642

RESILIENT SEATED GATE VALVE ECOVALVE™ WITH PE FITTINGS

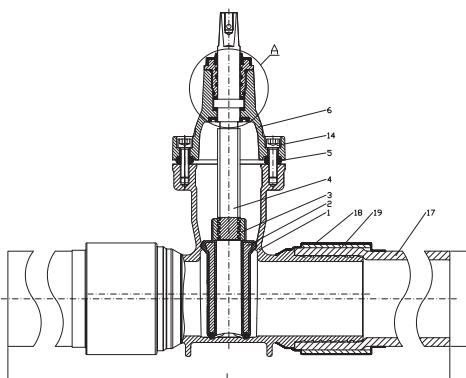
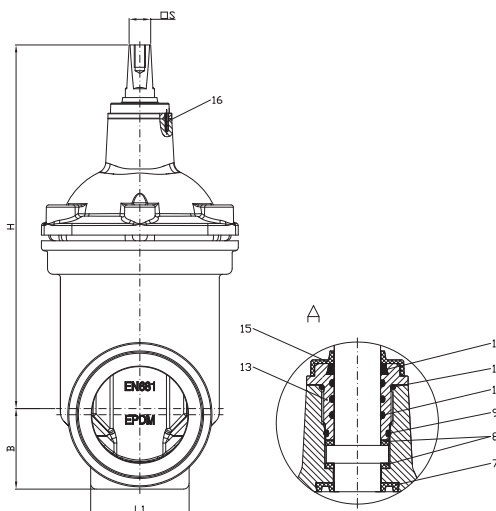
DN 50 - DN 100

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Elastomer EPDM
7	Main seal	Elastomer EPDM
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer EPDM
10	O-ring Seal	Elastomer EPDM
11	O-ring Seal	Elastomer EPDM
12	Dust Seal	Elastomer EPDM
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Dust Seal	Elastomer EPDM
16	Security screw	Stainless Steel A2-70
17	PE Pipe*	Polyethylene, high density PE 100 SDR 11
18	Shrink Hose	Thermo-shrink Plastic
19	Sleeve	Carbon Steel

Customization to SDR 17 and SDR 17.6 standards is available upon request."

Dimension:

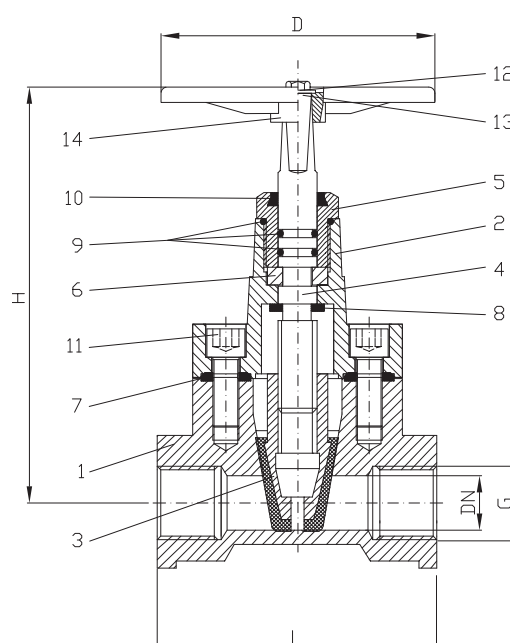
DN	50	80	100
DE	63	90	110
PN16	AD1169	AD1170	AD1171
L	920±5	920±5	920±5
H	218,5	277	325
L1	70	70	88
B	44	62	72
Stem Top Square □S	14	17	19
Weight [kg]	9	14	18



SERVICE VALVE THREADED BSP GW-GW

DN 20 - DN 50

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Body	Ductile Iron EN-GJS-500-7
3	Body	H.T. dezincification resistant Brass, EPDM encapsulated
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Gland Bush	H.T. dezincification resistant Brass
6	Support Bush	H.T. dezincification resistant Brass
7	Bonnet Gasket	Elastomer EPDM
8	Gasket	Elastomer EPDM
9	Gasket	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Steel FeZn5 gr 12.9, Galvanized
12	Bonnet Screws	Stainless Steel A2-70
13	Washer	Stainless Steel A2-70
14	Hand-wheel	Ductile Iron EN-GJS-500-7



Dimension:

DN	20*	25*	32	40	50
PN16	AC0390	AC0392	AC0394	AC0396	AC0398
L	147	157	157	189	189
D	120	120	120	120	120
H	175	185	186	225	235
G	BSP 3/4"	BSP 1"	BSP 1 1/4"	BSP 1 1/2"	BSP 2"
Stem Top Square □ S	14	14	14	14	14
Weight [kg]	3,5	3,8	4,3	4,8	5,6

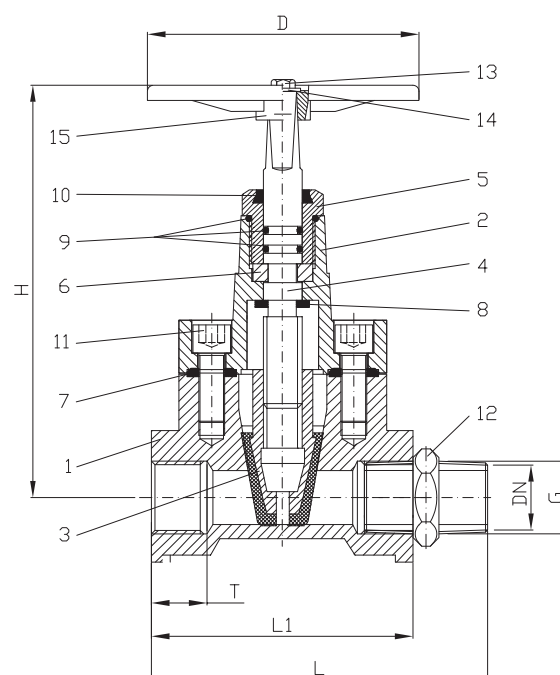
* on request

SERVICE VALVE THREADED BSP GW-GZ

DN 20 - DN 50



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	H.T. dezincification resistant Brass, EPDM encapsulated
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Gland Bush	H.T. dezincification resistant Brass
6	Support Bush	H.T. dezincification resistant Brass
7	Bonnet Gasket	Elastomer EPDM
8	Gasket	Elastomer EPDM
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Steel FeZn5 gr 12.9, zinc plated
12	Nipple	Stainless Steel X5CrNi18-10 / 1.4301 / 304
12	Bonnet Screws	Stainless Steel A2-70
13	Washer	Stainless Steel A2-70
14	Hand-wheel	Ductile Iron EN-GJS-500-7



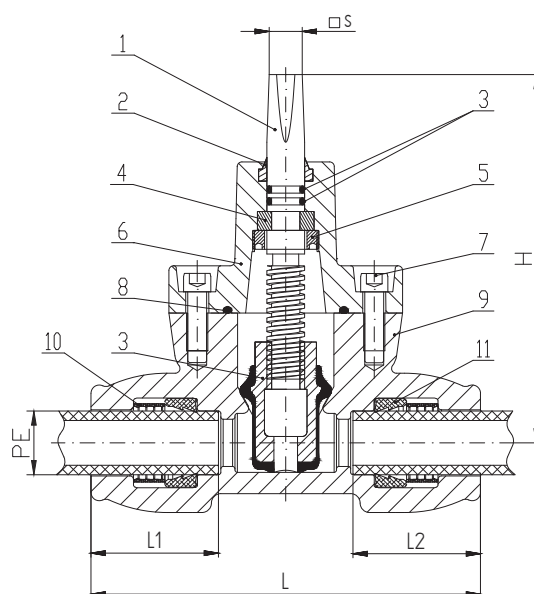
Dimension:

DN	20	25	32	40	50
PN16	AC0500	AC0501	AC0502	AC0503	AC0504
L	147	157	157	189	189
L1	122	127	127	154	154
D	120	120	120	120	120
H	175	185	186	225	235
G	BSP 3/4"	BSP 1"	BSP 1 1/4"	BSP 1 1/2"	BSP 2"
T	26	26	26	26	26
Stem Top Square □ S	14	14	14	14	14
Weight [kg]	3,7	4,0	4,7	5,2	6,21

ISO FITTING SERVICE VALVE

DN 20 - DN 50

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	H.T. dezincification resistant Brass, EPDM encapsulated
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Locating Ring	H.T. dezincification resistant Brass
6	Retaining Ring	Stainless Steel A2
7	Bonnet Gasket	Elastomer EPDM
8	O-ring Seal	Elastomer EPDM
9	Dust Seal	Elastomer EPDM
10	Tension Seal	POM
11	Mouth Seal	EPDM
13	Washer	Stainless Steel A2-70
14	Hand-wheel	Ductile Iron EN-GJS-500-7



Dimension:

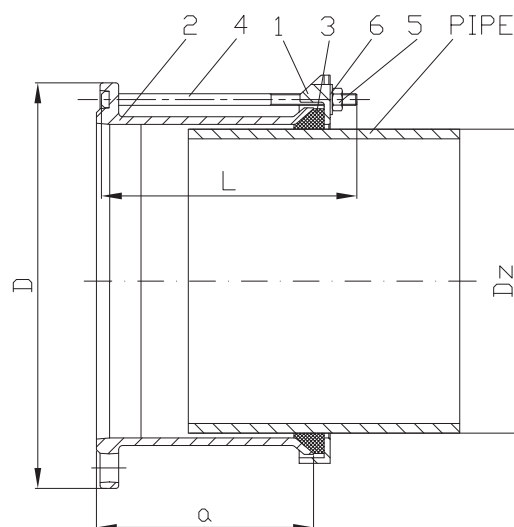
DN	20	25	32	40	50
PE	25	32	40	50	63
L	165	165	240	240	280
L1	55	55	74	74	90
L2	45	45	62	62	77
H	156	156	199	199	199
Stem Top Square □ S	14	14	14	14	14
Weight [kg]	2,3	2,2	42,2	5,0	4,5

UNIVERSAL FLANGE ADAPTOR

DN 50 - DN 600

No	Part Name	Material
1	Gland	Ductile Iron EN-GJS-500-7
2	Body	Ductile Iron EN-GJS-500-7
3	Gasket	Elastomer EPDM
4	Bolt*	A2-70 stainless steel bolts, nuts, washers available on request
5	Nut*	A2-70 stainless steel bolts, nuts, washers available on request
6	Washer*	A2-70 stainless steel bolts, nuts, washers available on request

* A2-70 stainless steel bolts, nuts, washers available on request



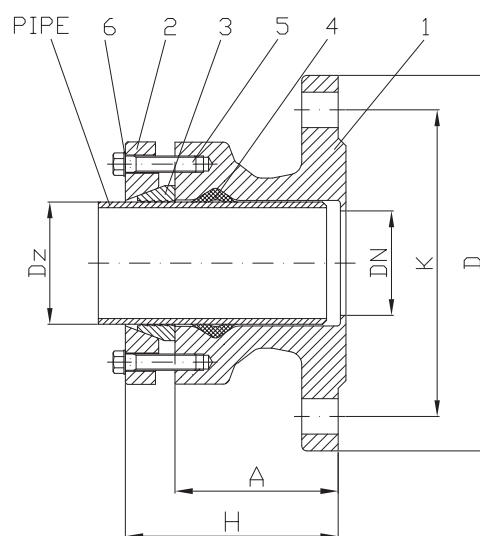
Dimension:

DN	Code	PN	Dz [mm]	L [mm]	a [mm]	D	Weight [kg]
50	AH7462	PN10/PN16	59-72	124	75	165	4,2
65	AH7463	PN10/PN16	72-85	124	75	185	5,4
80	AH7464	PN10/PN16	88-103	124	75	200	6
100	AH7467	PN10/PN16	109-128	134	75	220	7
125	AH7470	PN10/PN16	138-153	134	75	250	8,8
150	AH7472	PN10/PN16	159-182	134	75	285	11
200	AH7474	PN10/PN16	218-235	134	75	340	14,6
250	AH7479	PN10/PN16	272-289	144	85	400	21
300	AH7480	PN10/PN16	315-332	146	100	455	22
350	AH7484	PN10/PN16	374-391	155	115	520	43,3
400	AH7488	PN10 i PN16	417-437	155	115	580	49,5
450	AH7490	PN10 i PN16	480-500	190	115	640	62
500	AH7492	PN10 i PN16	526-546	191	130	715	68,5
600	AH7495	PN10 i PN16	630-650	195	135	840	85

FLANGE ADAPTOR FOR PVC/PE PIPE

DN 50 - DN 300

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Gland	Ductile Iron EN-GJS-500-7
3	Ring	Brass
4	Gasket	Elastomer EPDM
5	Bolt	Stainless Steel A2-70
6	Washer	Stainless Steel A2-70



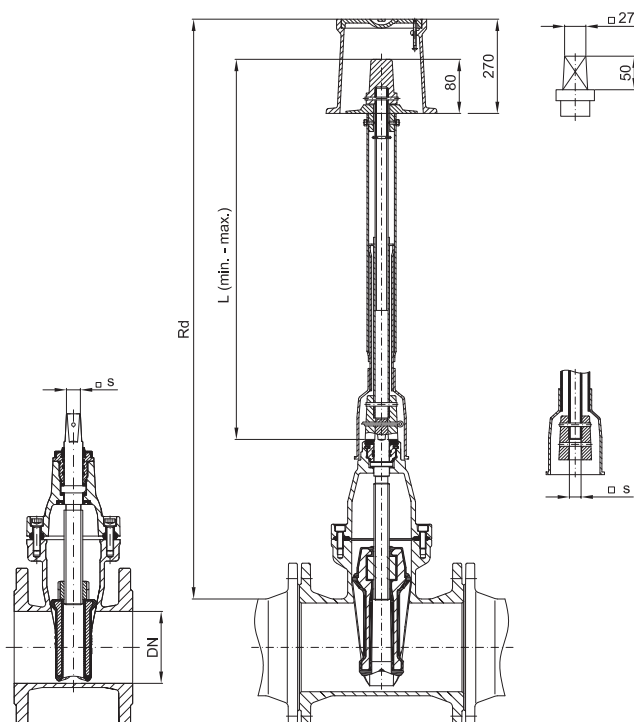
Dimension:

DN	Code		Dz [mm]	D [mm]	K [mm]	A [mm]	H [mm] ±3 mm	Weight [kg]
	PN10	PN16						
50	AH0441		63	165	125	75	95	3,8
65	AH0442		75	175	145	80	100	5,0
80	AH0443		90	200	160	85	105	5,2
100	AH0444		110	220	180	90	110	6,0
100	AH0445		125	220	180	100	120	7,5
125	AH0446		125	250	210	100	120	9,2
150	AH0447		160	285	240	115	139	11,5
150	AH0448		180	285	240	120	144	12,8
200	AH0449	AH0450	200	340	295	125	149	16,0
200	AH0451	AH0452	225	340	295	136	160	17,5
250	AH0473	AH0474	250	400	355	145	169	23,0
250	AH0453	AH0454	280	400	355	155	181	24,3
300	AH0455	AH0456	315	455	410	165	191	28,0

TELESCOPIC EXTENSION SPINDLE FOR ECOVALVE™

DN 40 - DN 600

Rd - distance from the pipeline base to the ground level
L - actual length of the telescopic cover



Dimension:

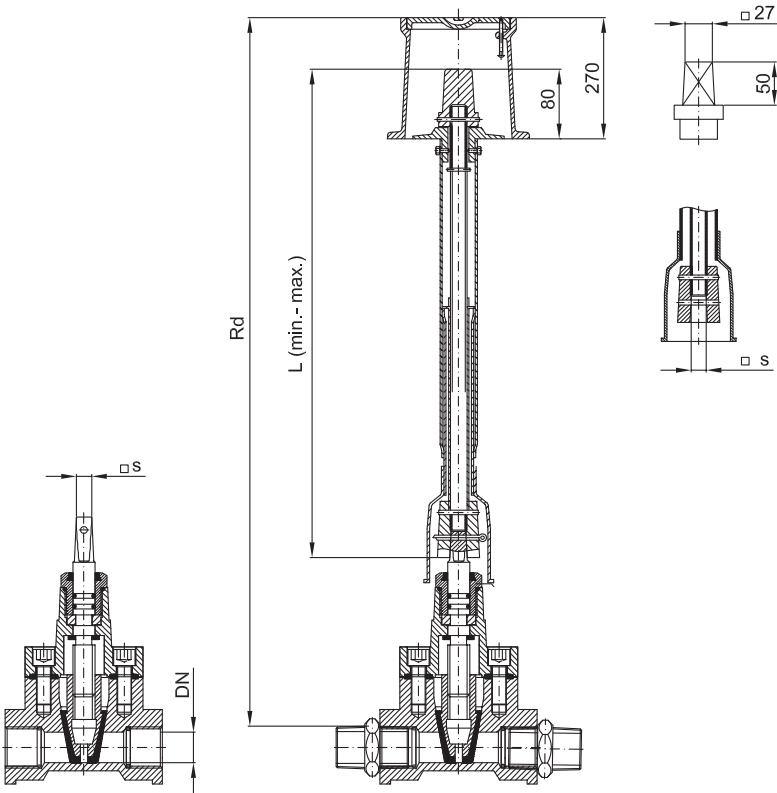
Nominal diameter DN	Stem Top Square □S [mm]	L [mm] 550/800		Code	L [mm] 800/1200		Code	L [mm] 1000/1650		Code	L [mm] 1400/2000		Code
		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max	
40	14	896	1146	AA1056	1146	1546	AA1057	1346	1996	AA1058	1746	2546	AA1059
50	14	904	1154	AA1056	1154	1554	AA1057	1354	2004	AA1058	1754	2554	AA1059
65	17	929	1179	AA1062	1179	1579	AA1063	1379	2029	AA1064	1779	2579	AA1065
80	17	944	1194	AA1062	1194	1594	AA1063	1394	2044	AA1064	1794	2594	AA1065
100	19	977	1227	AA1068	1227	1627	AA1069	1427	2077	AA1070	1827	2627	AA1071
125	19	994	1244	AA1068	1244	1644	AA1069	1444	2094	AA1070	1844	2644	AA1071
150	19	1022	1272	AA1068	1272	1672	AA1069	1472	2122	AA1070	1872	2672	AA1071
200	24	1080	1330	AA1074	1330	1730	AA1075	1530	2180	AA1076	1930	2730	AA1077
250	27	1140	1390	AA1080	1390	1790	AA1081	1590	2240	AA1082	1990	2790	AA1083
300	27	1205	1455	AA1080	1455	1855	AA1081	1655	2305	AA1082	2055	2855	AA1083
350	27	1280	1530	AA1080	1530	1930	AA1081	1730	2380	AA1082	2130	2930	AA1083
400	27	1348	1598	AA1080	1598	1998	AA1081	1798	2448	AA1082	2198	2998	AA1083
450	27	1433	1683	AA1080	1683	2083	AA1081	1883	2533	AA1082	2283	3083	AA1083
500	32	1463	1713	-	1713	2113	AA1118	1913	2563	AA1119	2313	3113	AA1120
600	32	1563	1813	-	1813	2213	AA1118	2013	2663	AA1119	2413	3213	AA1120

TELESCOPIC EXTENSION SPINDLE FOR SERVICE VALVE

DN 20 - DN 50

Street box - height 270 mm

Rd - vertical distance from the pipeline base to the ground surface
L - actual extended length of the telescopic enclosing



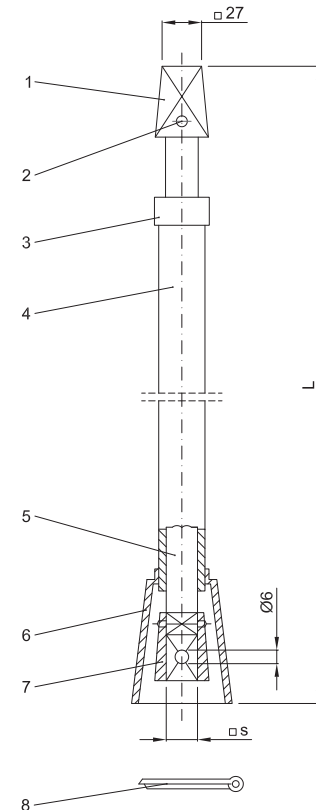
Dimension:

Nominal diameter DN	Stem Top Square □ S [mm]	L [mm] 550/800		Code	L [mm] 1000/1200		Code	L [mm] 1000/1650		Code	L [mm] 1400/2000		Code
		Rd [mm]			Rd [mm]			Rd [mm]			Rd [mm]		
		min	max		min	max		min	max		min	max	
20	14	870	1120	AA1056	1120	1520	AA1057	1320	1970	AA1058	1720	2520	AA1059
25	14	877	1127	AA1056	1127	1527	AA1057	1327	1977	AA1058	1727	2527	AA1059
32	14	875	1125	AA1056	1125	1525	AA1057	1325	1975	AA1058	1725	2525	AA1059
40	14	910	1160	AA1056	1160	1560	AA1057	1360	2010	AA1058	1760	2560	AA1059
50	14	915	1165	AA1056	1165	1565	AA1057	1365	2015	AA1058	1765	2565	AA1059

FIXED EXTENSION SPINDLES FOR WATER VALVES

DN 20 - DN 600

No	Part Name	Material
1	Hood	Ductile Iron EN-GJS-500-7
2	Spring Pin	SteelFeZn5
3	Collar	Polythene PE
4	Casting Liner	Polythene PE
5	Spindle	S235JR steel profile / Galvanized steel profile
6	Pipe Bell	Polythene PE
7	Coupling	S235JR steel profile / Galvanized steel profile
8	Cotter Pin	FeZn5 steel / Stainless steel



Stem Top Square □ S [mm]	Weight [kg]					
	L [mm] 700	L [mm] 1000	L [mm] 1250	L [mm] 1500	L [mm] 2000	L [mm] 2500
14	3,0	3,1	3,3	3,6	4,1	4,7
17	3,0	3,1	3,2	3,6	4,1	4,7
19	3,0	3,1	3,3	3,7	4,1	4,7
24	4,0	4,1	4,3	4,7	5,3	6,0
27	6,0	6,1	6,3	6,7	6,3	7,0
32	7,4	7,5	7,8	8,2	8,8	9,5

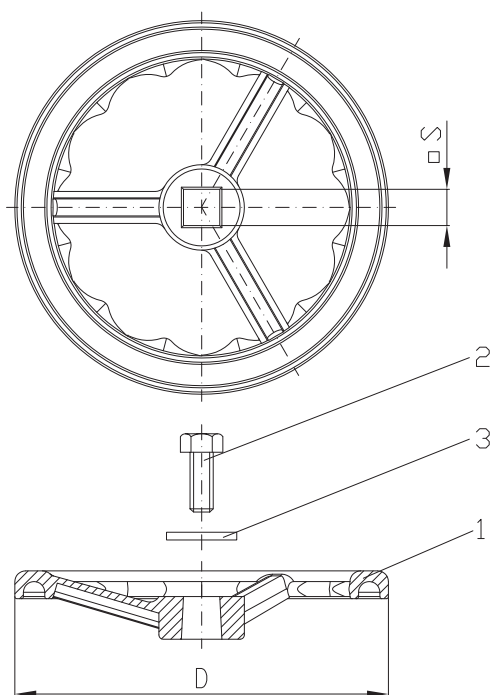
Product catalog codes

Nominal diameter DN	L [mm] 700	L [mm] 1000	L [mm] 1250	L [mm] 1500	L [mm] 2000	L [mm] 2500
20-50	AA1236	AA1237	AA1238	AA1239	AA1240	AA1241
65-80	AA1242	AA1243	AA1244	AA1245	AA1246	AA1247
100-150	AA1248	AA1249	AA1250	AA1251	AA1252	AA1253
200	AA1254	AA1255	AA1256	AA1257	AA1258	AA1259
250-450	AA1260	AA1261	AA1262	AA1263	AA1264	AA1265
500-600	AA1340	AA1341	AA1342	AA1343	AA1344	AA1345

HAND WHEELS FOR WATER VALVE

DN 40 - DN 600

No	Part Name	Material
1	Hand Wheel	Ductile Iron EN-GJS-500-7
2	Locking Nut	Stainless Steel A2-70
3	Washer	Stainless Steel A2-70



DN	40	50	65	80	100	125	150
D	200	200	250	250	250	300	300
Code	AA2067	AA2067	AA2069	AA2069	AA2070	AA2071	AA2071
Stem Top Square □S	14	14	17	17	19	19	19
Weight [kg]	1,2	1,2	1,2	1,2	1,3	1,3	2,2

DN	200	250	300	350	400	500	600
D	400	500	500	600	600	600	600
Code	AA2072	AA2073	AA2073	AA2074	AA2074	AA2075	AA2075
Stem Top Square □S	24	27	27	27	27	32	32
Weight [kg]	4,1	5,0	5,0	6,0	6,0	7,1	7,1

SURFACE BOX FOR VALVE

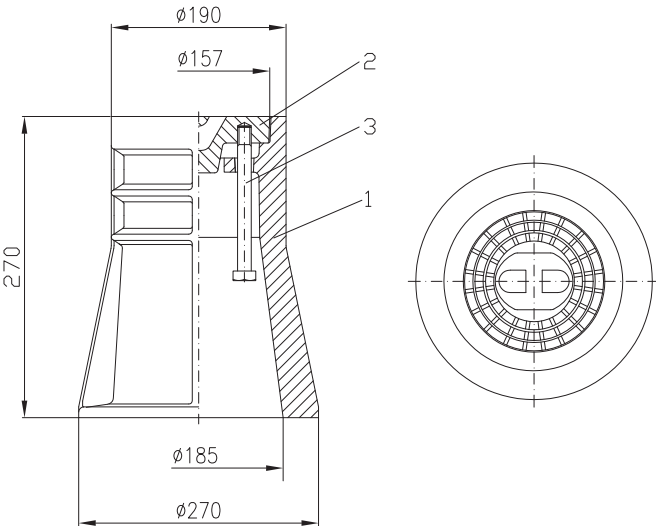
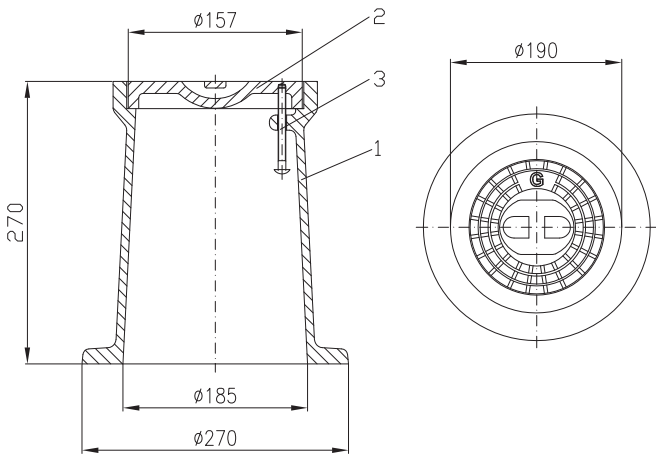
DN 40 - DN 300

No	Part Name	Material
1	Body	Grey Cast Iron EN-GJL-250 Plastic PEHD
2	Bonnet	Grey Cast Iron EN-GJL-250
3	Bolt	Steel FeZn5 gr 5.8



Ductile Iron

PEHD



	Cast Iron Surface Box	PEHD Surface Box
Code	AA0501	AA0551
Weight [kg]	13	4



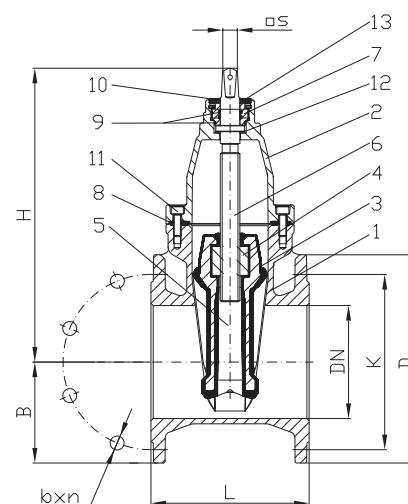
GAS EQUIPMENT



Please use product codes when placing your order.

GAS VALVE OPTIVALVE™ FLANGED END F4

DN 40 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
4	Wedge Nut	Brass
5	Guide Shoe	Plastic POM
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Blush	Brass
8	Bonnet Gasket	Elastomer NBR
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Stainless Steel A2-70
12	Bottom Washer	Plastic POM
13	Acetal Circlip	Steel Ring

Dimension:

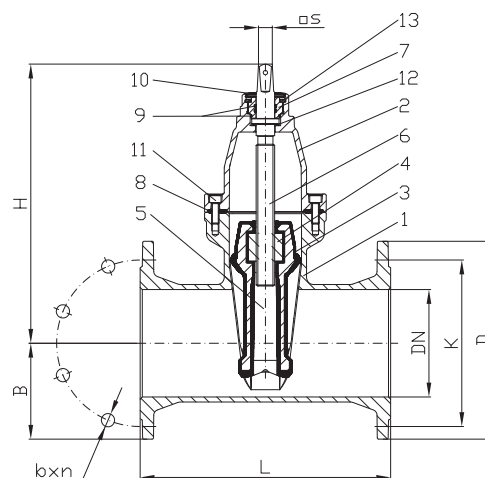
DN	40	50	65	80	100	125	150	200	250	300
EPOXY POWDER COATING										
PN16	AG0408	AG0510	AG6521	AG0828	AG1028	AG1264	AG1521	AG2038	AG2538	AG3038
PN10								AG2028	AG2528	AG3028
BLACK EPOXY POWDER COATING AND POLYURETHANE (PUR) TOPCOAT										
PN16	AG0434	AG0534	AG6534	AG0834	AG1034	AG1234	AG1534	AG2074	AG2574	AG3074
PN10								AG2075	AG2575	AG3075
L	140	150	170	180	190	200	210	230	250	270
H	209	250	246	265	299	402	390	490	562	642
B	70	75	85	95	102	120	134	165	196	225
K PN16 / PN10	110	125	145	160	180	210	240	295	355 / 350	410 / 400
b x n PN16 / PN10	19×4	19×4	19×4	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12
D	150	165	185	200	220	250	285	340	405	460
Stem Top Square □S	14	14	17	17	19	19	19	24	27	27
Turns to open/ close	6 ¼	9 ¾	9 ¾	11 ½	14 ¼	20 ¼	20 ¼	18	26 ⅓	26 ⅓
Closing Torque [Nm]	40±10	50±10	60±10	70±10	80±10	100±20	100±20	130±20	180±20	200±20
Weight [kg]	11.3	13.8	15.3	17.6	20.3	35.8	39.6	60.8	84.2	131

Specifications:

- Available in all sizes with PN10 or PN16 flanges.
- Clockwise closing.

OPTIVALVE™ GAS VALVE FLANGED END F5

DN 40 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
4	Wedge Nut	Brass
5	Guide Shoe	Plastic POM
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Blush	Brass
8	Bonnet Gasket	Elastomer NBR
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Stainless Steel A2-70
12	Bottom Washer	Plastic POM
13	Acetal Circlip	Steel Ring

Dimension:

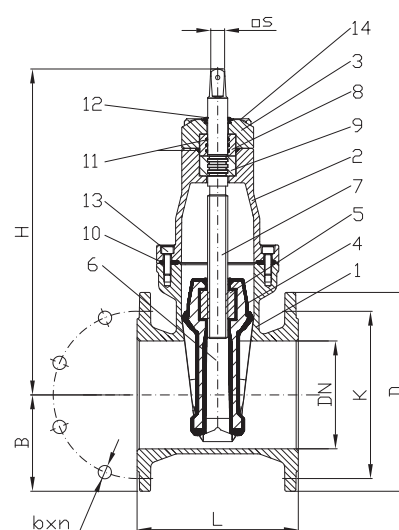
DN	40	50	65	80	100	125	150	200	250	300
EPOXY POWDER COATING										
PN16	AG0409	AG0511	AG6522	AG0829	AG1029	AG1265	AG1522	AG2039	AG2539	AG3039
PN10								AG2029	AG2529	AG3029
BLACK EPOXY POWDER COATING AND POLYURETHANE (PUR) TOPCOAT										
PN16	AG0416	AG0516	AG6516	AG0816	AG1016	AG1216	AG1516	AG2076	AG2576	AG3076
PN10								AG2017	AG2517	AG3017
L	240	250	270	280	300	325	350	400	450	500
H	209	250	246	265	299	402	390	490	562	642
B	70	75	85	95	102	120	134	165	196	225
K PN16 / PN10	110	125	145	160	180	210	240	295	355 / 350	410 / 400
b x n PN16 / PN10	19×4	19×4	19×4	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12
D	150	165	185	200	220	250	285	340	405	460
Stem Top Square □S	14	14	17	17	19	19	19	24	27	27
Turns to open/close	6 ¼	9 ¾	9 ¾	11 ½	14 ¼	20 ¼	20 ¼	18	26 ⅓	26 ⅓
Closing Torque [Nm]	40±10	50±10	60±10	70±10	80±10	100±20	100±20	130±20	180±20	200±20
Weight [kg]	12,5	14,7	16,3	18,8	21,9	38,5	40,7	66,5	93,2	145

Specifications:

- Available in all sizes with PN10 or PN16 flanges.
- Clockwise closing.

OPTIVALVE PLUS™ GAS VALVE FLANGED END F4

DN 80 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminum Bronze
6	Guide Shoe	Plastic POM
7	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
8	Gland Blush	Aluminum Bronze
9	Support Bush	v Bronze
10	Bonnet Gasket	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70

Dimension:

DN	80	100	125	150	200	250	300	400
EPOXY POWDER COATING								
PN16	BG0848	BG1048	BG1268	BG1548	BG2048	BG2548	BG3048	BG4028
PN10					BG2047	BG2547	BG3047	BG4038
EPOXY POWDER COATED WITH A POLYURETHANE (PUR) OVERSPRAY, BLACK								
PN16	BG0845	BG1045	BG1245	BG1545	BG2045	BG2545	BG3045	N.Z.
PN10					BG2044	BG2544	BG3044	N.Z.
L	180	190	200	210	230	250	270	310
H	315	349	465	454	556	646	727	1010
B	95	102	120	134	165	196	225	300
K PN16 / PN10	160	180	210	240	295	355 / 350	410 / 400	525 / 515
b x n PN16 / PN10	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12	525 / 515
D	200	220	250	285	340	405	460	580
Stem Top Square □S	17	19	19	19	24	27	27	29
Turns to open/close	7 ½	9 ¼	13 ¾	13 ¾	18	21 ¾	26 ⅓	34 ½
Closing Torque [Nm]	70±10	80±10	100±20	100±20	130±20	180±20	200±20	250±20
Weight [kg]	20,3	23,3	41,2	43	68,4	89,3	136	267

Notes:

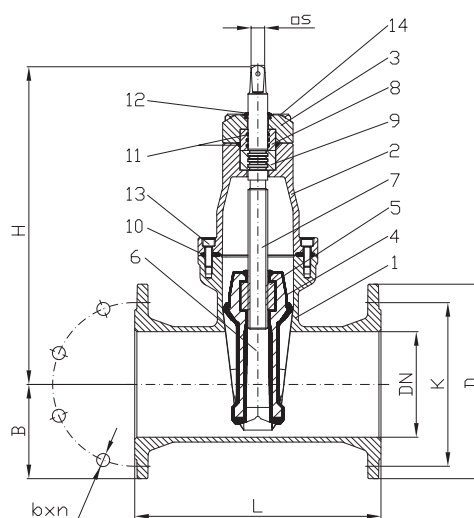
- All diameters available with PN10 or PN16 flanges.
- Right-hand closing.

OPTIVALVE PLUS™ GAS VALVE FLANGED END F5

DN 80 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminum Bronze
6	Guide Shoe	Plastic POM
7	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
8	Gland Blush	Aluminum Bronze
9	Support Bush	Aluminum Bronze
10	Bonnet Gasket	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70



Dimension:

DN	80	100	125	150	200	250	300	400
EPOXY POWDER COATING								
PN16	BG0849	BG1049	BG1279	BG1549	BG2049	BG2549	BG3049	N.Z.
PN10					BG2050	BG2550	BG3050	N.Z.
EPOXY POWDER COATED WITH A POLYURETHANE (PUR) OVERSPRAY, BLACK								
PN16	BG0863	BG1063	BG1263	BG1563	BG2063	BG2563	BG3063	N.Z.
PN10					BG2056	BG2556	BG3056	N.Z.
L	280	300	325	350	400	450	500	600
H	315	349	465	454	556	646	727	1010
B	95	102	120	134	165	196	225	300
K PN16 / PN10	160	180	210	240	295	355 / 350	410 / 400	525 / 515
b x n PN16 / PN10	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12	525 / 515
D	200	220	250	285	340	405	460	580
Stem Top Square □S	17	19	19	19	24	27	27	29
Turns to open/close	7 ½	9 ¼	13 ¾	13 ¾	18	21 ¾	26 ⅓	34 ½
Closing Torque [Nm]	70±10	80±10	100±20	100±20	130±20	180±20	200±20	250±20
Weight [kg]	21,5	24,8	44	46,2	74	98,3	150	279

Notes:

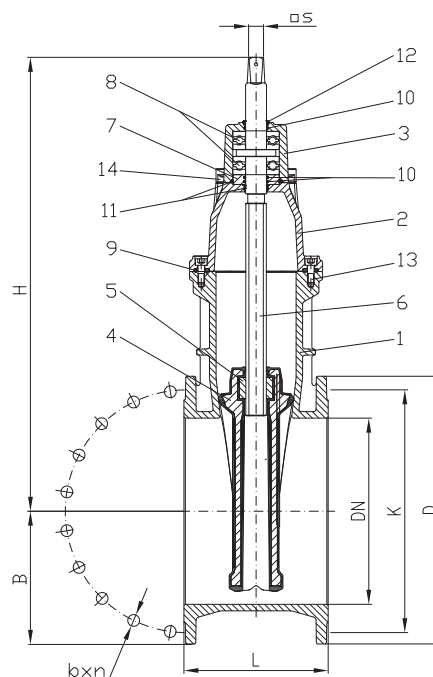
- All sizes can be fitted with either PN10 or PN16 flanges.
- Closes in a clockwise direction.
- N.Z. - Available upon request

RESILIENT SEATED GATE VALVE OPTIVALVE PLUS™ FLANGED END F4

DN 400



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
19	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70



Dimension:

DN	400
EPOXY POWDER COATING	
PN16	BG4028
PN10	BG4038
POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK	
PN16	BG4074
PN10	BG4076
L	310
H	975
B	285
K PN16 / PN10	525 / 515
b x n PN16 / PN10	31×16 / 28×16
D	580
Stem Top Square □S	32
Turns to open/close	34 ½
Weight [kg]	283

Notes:

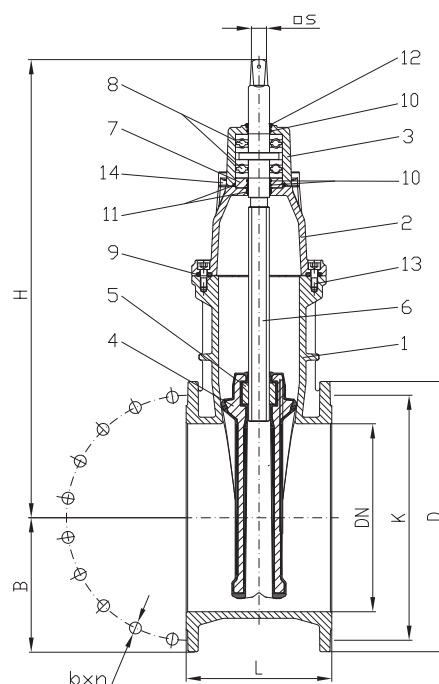
- All diameters available with PN10 or PN16 flanges
- Clock-wise to close

RESILIENT SEATED GATE VALVE OPTIVALVE PLUS™ FLANGED END F4

DN 500 - DN 600



No	Part Name	Material
1	Body	Cast Steel GP240GH / GS-C25N
2	Bonnet	Cast Steel GP240GH / GS-C25N
3	Gland Housing	Cast Steel GP240GH / GS-C25N
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
19	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	SHousing Bolts	Stainless Steel A2-70



Dimension:

DN	500	600
EPOXY POWDER COATING		
PN16	BG5028	BG6028
PN10	BG5038	BG6038
POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK		
PN16	BG5074	BG6074
PN10	BG5076	BG6076
L	350	390
H	1130	1334
B	350	420
K	650	770
b x n	34×20	37×20
D	715	840
Stem Top Square □S	32	32
Turns to open/close	42 1/2	51 1/2
Weight [kg]	446	661

Notes:

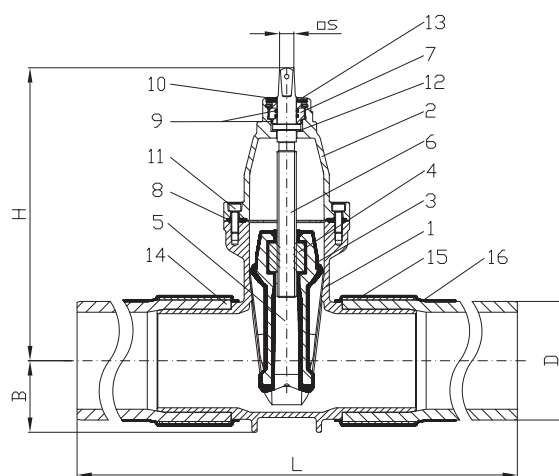
- All diameters available with PN10 or PN16 flanges
- Clock-wise to close

OPTIVALVE™ GAS VALVE WITH PE FITTINGS

DN 50 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
4	Wedge Nut	Brass
5	Guide Shoe	Plastic POM
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	Brass
8	Bonnet Gasket	Elastomer NBR
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Stainless Steel A2-70
12	Bottom Washer	Plastic POM
13	Acetal Circlip	Steel Ring
14	Pipe clamp	Steel
15	Heatshrink	Plastic
16	Pipe*	PE100 gas pipe, SDR 11



- Can be socketing to SDR 17 on demand

Dimension:

DN	50	80	100	100	150	150	200	200	250	250	300
D	63	90	110	125	160	180	200	225	250	280	315
EPOXY POWDER COATING											
PN10	AG0551	AG0851	AG1051	AG1052	AG1551	AG1552	AG2051	AG2052	AG2551	AG2552	AG3051
EPOXY POWDER COATING SYSTEM WITH A BLACK POLYURETHANE (PUR) TOPCOAT											
PN10	AG0566	AG0866	AG1066	AG1067	AG1566	AG1557	AG2066	AG2067	AG2566	AG2567	AG3066
L*	920	920	920	920	950	950	1180	1180	1180	1200	1300
H	257	270	305	305	396	396	503	503	576	576	672
B	38	52	62	69	97	97	119	119	147	147	164
Stem Top Square □S	14	17	19	19	19	19	24	24	27	27	27
Turns to open/close	9 ¾	11 ½	14 ¼	14 ¼	20 ¼	20 ¼	18	18	21 ¾	21 ¾	26 ⅓
Closing Torque [Nm]	50±10	60±10	70±10	80±10	100±20	100±20	130±20	130±20	180±20	180±20	200±20
Weight [kg]	13,3	16,4	20,1	20,7	39,5	42,5	66,7	70,3	96,9	101,2	159,9

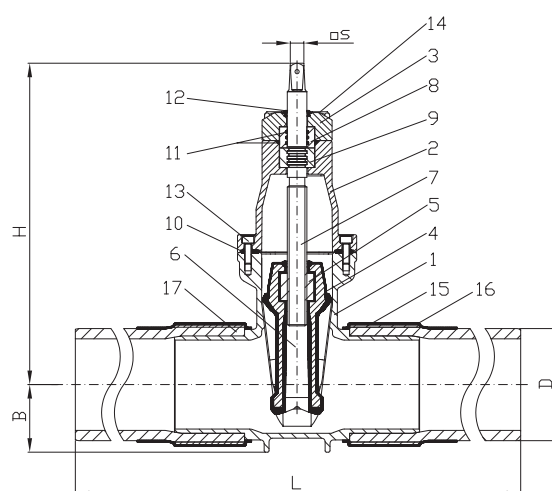
* Other lengths available on request

OPTIVALVE PLUS™ GAS VALVE WITH PE FITTINGS

DN 50 - DN 300



No	Part Name	Material
1	Body	Steel GS-C25N
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
4	Wedge Nut	Aluminum Bronze
5	Guide Shoe	Plastic POM
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	Brass
8	Bonnet Gasket	Elastomer NBR
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Stainless Steel A2-70
12	Bottom Washer	Plastic POM
13	Acetal Circlip	Steel Ring
14	Housing Bolts	Stainless Steel A2-70
15	Pipe clamp	Steel
16	Heatshrink	Plastic
17	Pipe*	PE100 gas pipe, SDR 11



- Can be socketing to SDR 17 on demand

Dimension:

DN	50	80	100	100	150	150	200	200	250	250	300
D	63	90	110	125	160	180	200	225	250	280	315
EPOXY POWDER COATING											
PN10	BG0551	BG0851	BG1051	BG1052	BG1551	BG1552	BG2051	BG2052	BG2551	BG2552	BG3051
EPOXY POWDER COATING SYSTEM WITH A BLACK POLYURETHANE (PUR) TOPCOAT.											
PN10	BG0566	BG0866	BG1066	BG1067	BG1566	BG1557	BG2066	BG2067	BG2566	BG2567	BG3066
L*	920	920	920	920	950	950	1180	1180	1180	1200	1300
H	330	317	354	350	459	459	569	569	661	661	756
B	40	52	62	69	97	97	119	119	147	147	164
Stem Top Square □S	17	17	19	19	19	19	24	24	27	27	27
Turns to open/close	7 ½	7 ½	9 ¼	9 ¼	13 ¾	13 ¾	18	18	21 ¾	21 ¾	26 ⅓
Closing Torque [Nm]	50±10	70±10	80±10	80±10	100±20	100±20	130±20	130±20	180±20	180±20	250±20
Weight [kg]	13,5	18,1	21,9	23,0	44,0	44,5	70,9	70,8	102,0	99,6	157,7

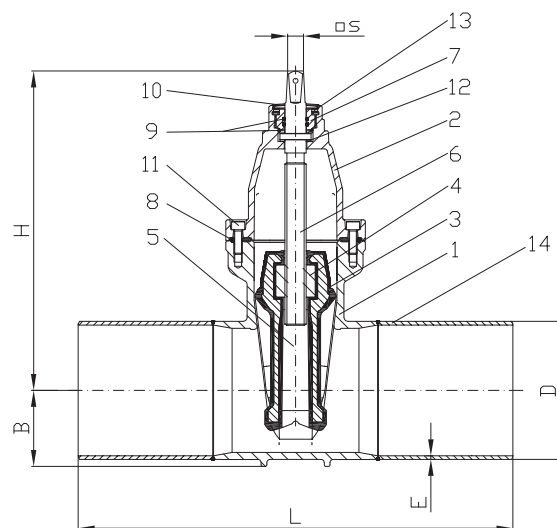
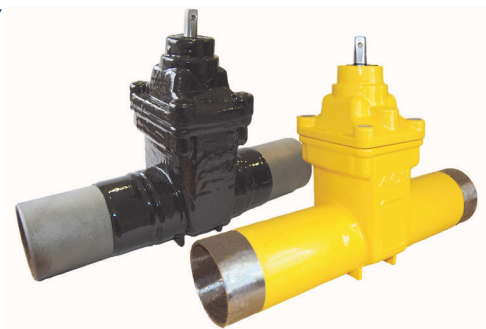
* Other lengths available upon request.

OPTIVALVE™ GAS VALVE WITH STEEL FITTINGS

DN 50 - DN 300



No	Part Name	Material
1	Body	Steel GS-C25N
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
4	Wedge Nut	Brass
5	Guide Shoe	Plastic POM
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	Brass
8	Bonnet Gasket	Elastomer NBR
9	O-ring Seal	Elastomer NBR
10	Dust Seal	Elastomer NBR
11	Bonnet Screws	Stainless Steel A2-70
12	Bottom Washer	Plastic POM
13	Acetal Circlip	Steel Ring
14	Steel nipple	S265JR steel pipe



- For DN150 and above - eyebolts for easy transport and installation as standard.

Dimension:

DN		50	80	100	150	200	250	300
EU	Epoxy	AG0555	AG0855	AG1055	AG1555	AG2055	AG2555	AG3055
	PUR	AG0564	AG0864	AG1064	AG1564	AG2049	AG2549	AG3049
EUE	Epoxy	AG0560	AG0860	AG1060	AG1560	AG2061	AG2561	AG3061
	PUR	AG0565	AG0865	AG1065	AG1565	AG2065	AG2565	AG3065
L*		570	550	520	530	570	590	620
H		255	270	300	390	490	562	642
B		37	50	63	90	120	145	170
D	EU	60,3	88,9	114,3	168,3	219,1	273	323,9
	RU	57	89	108	159	219	273	325
E	EU	2,9	3,2	3,6	4,5	6,3	6,3	7,1
	RU	3,0	4,0	4,0	5,0	6,0	7,0	8,0
Stem Top Square □S		14	17	19	19	24	27	27
Turns to open/close		7 1/2	7 1/2	9 1/4	13 3/4	18	21 3/4	26 1/3
Closing Torque [Nm]		50±10	70±10	80±10	100±20	130±20	180±20	200±20
Weight [kg]		11,5	14,0	18,5	34,0	64,8	88,6	131,5

U - European market version
RU - Russian market version

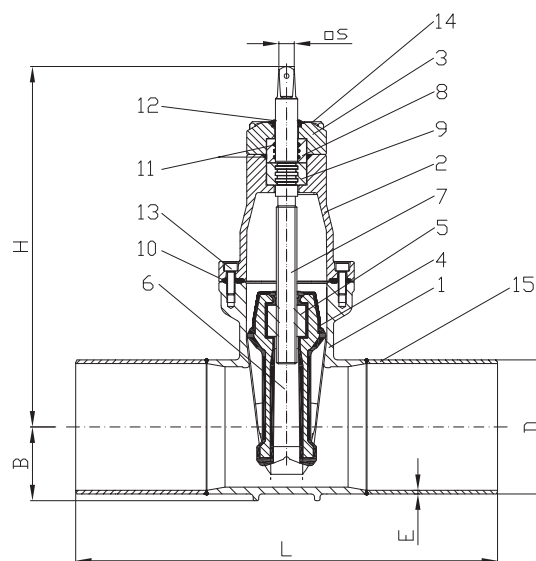
* Other lengths available on request

OPTIVALVE PLUS™ GAS VALVE WITH STEEL END FITTINGS

DN 50 - DN 300



No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminum Bronze
6	Guide Shoe	Synthetic material
7	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
8	Gland Bush	Aluminum Bronze
9	Support Bush	Aluminum Bronze
10	Bonnet Gasket	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Steel nipple	S265JR steel pipe



- For DN150 and above - eyebolts for easy transport and installation as standard.

Dimension:

DN		50	80	100	150	200	250	300
EU	Epoxy	BG0555	BG0855	BG1055	BG1555	BG2055	BG2555	BG3055
	PUR	BG0560	BG0860	BG1060	BG1560	BG2060	BG2560	BG3060
EUE	Epoxy	BG0561	BG0861	BG1061	BG1561	BG2061	BG2561	BG3061
	PUR	BG0562	BG0862	BG1062	BG1562	BG2062	BG2562	BG3062
L*		570	550	520	530	570	590	620
H		329	315	349	495	558	648	728
B		37	50	63	90	120	145	170
D	EU	60,3	88,9	114,3	168,3	219,1	273	323,9
	RU	57	89	108	159	219	273	325
E	EU	2,9	3,2	3,6	4,5	6,3	6,3	7,1
	RU	3,0	4,0	4,0	5,0	6,0	7,0	8,0
Stem Top Square □S		17	17	19	19	24	27	27
Turns to open/close		7 1/2	7 1/2	9 1/4	13 3/4	18	21 3/4	26 1/3
Closing force [Nm]		50±10	70±10	80±10	100±20	130±20	180±20	200±20
Weight [kg]		15,6	17,1	23,3	39,5	68,5	90,9	138,8

U - European market version
RU - Russian market version

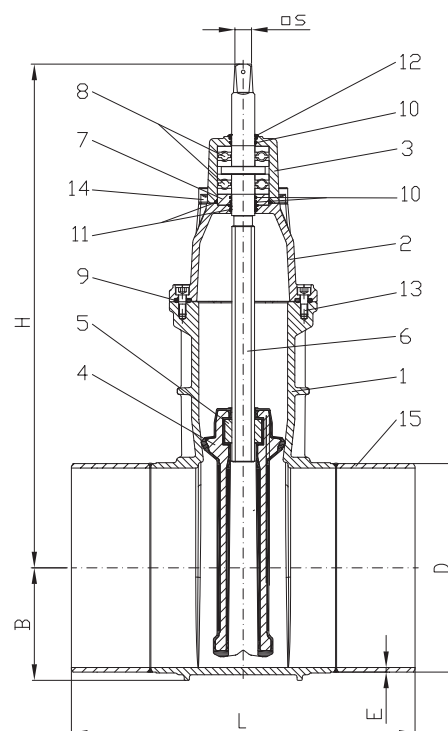
* Other lengths available on request

RESILIENT SEATED GATE VALVE OPTIVALVEPLUS™ WITH WELDED ENDS

DN 400



No	Part Name	Material
1	Body	Cast Steel GS-C25N
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
19	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Steel Connector	Steel pipe P265GH



Dimension:

DN	400
EPOXY POWDER COATING	
PN16	BG4055
POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK	
PN16	BG4060
L*	670
H	975
B	285
D	406,4
E	8,8
Stem Top Square □S	32
Turns to open/close	34 1/2
Weight [kg]	276

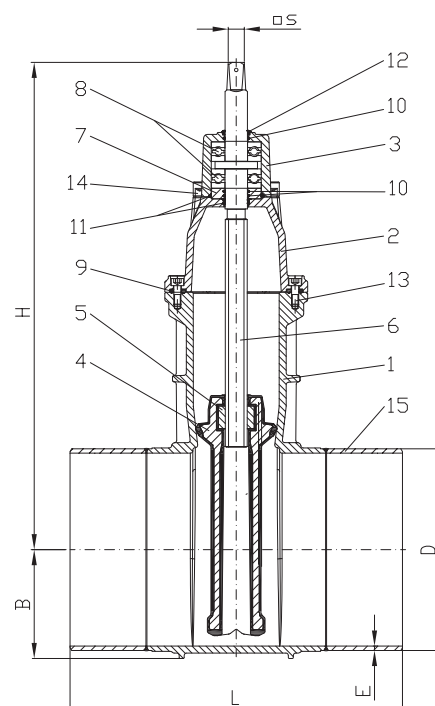
* Other lengths available on request

RESILIENT SEATED GATE VALVE OPTIVALVEPLUS™ WITH WELDED ENDS

DN 500-DN 600



No	Part Name	Material
1	Body	Cast Steel GS-C25N
2	Bonnet	Cast Steel GS-C25N
3	Gland Housing	Cast Steel GS-C25N
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
19	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Steel Connector	Steel pipe P265GH



Dimension:

DN	500		600	
POKRYCIE PROSZKOWE FARBĄ EPOKSYDOWĄ				
PN16	BG5055	BG5056	BG6055	BG6056
POKRYCIE PROSZKOWE FARBĄ EPOKSYDOWĄ I DODATKOWO WARSTWA POLIURETANU (PUR) - CZARNA				
PN16	BG5057	BG5058	BG6057	BG5058
L	790		770	
H	1138		1341	
B	277		338	
D	508		610	
E	9,5	11	13	9,5
Stem Top Square □S	32		32	
Turns to open/close	42 1/2		51 1/2	
Weight [kg]	390	400	650	631

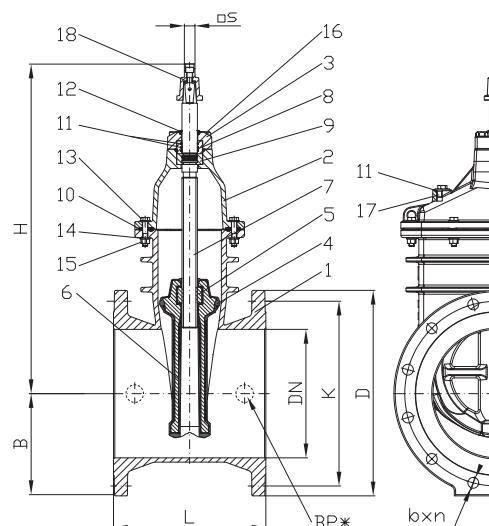
* Other lengths available on request

GAS VALVE OPTIVALVE PLUS™ STEEL FLANGED END

DN 80 - DN 400



No	Part Name	Material
1	Body	Cast Steel GP240GH / GS-C25N
2	Bonnet	Cast Steel GP240GH / GS-C25N
3	Gland Housing	Cast Steel GP240GH / GS-C25N
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminum Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Blush	Dezincification-resistant brass
8	Rolling bearings	Component
9	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Washer	Stainless Steel A2-70
16	Nut	Stainless Steel A2-70
17	Vent Plug	Stainless Steel X20Cr13 / 1.4021 / 420



- Option to adapt the slide valve for a by-pass outlet.
If necessary, it is possible to drill a hole for the connection (BP).

Dimension:

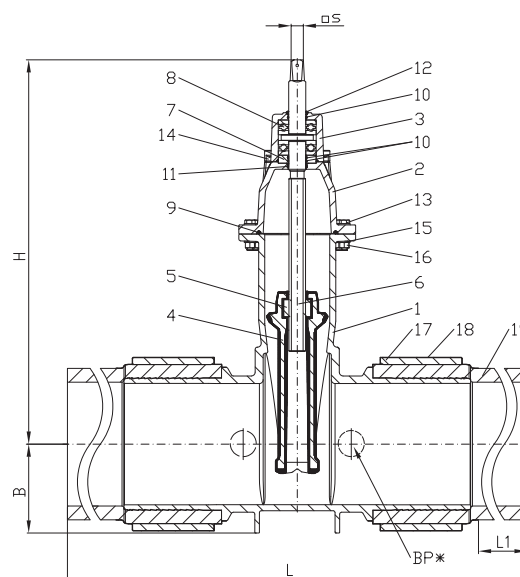
DN	80	100	150	200	250	300	400
PN16	O.R.	O.R.	O.R.	O.R.	BG2588	BG3088	BG4088
L	203	229	267	292	330	356	406
H1	315	349	454	556	646	727	975
H	355	389	494	598	690	771	285
B	95	102	134	165	196	225	525 / 539,7
K EN 1092-2 / ANSI B16.5	160 / 152,4	180 / 190,5	240 / 241,3	295 / 298,4	355 / 362	410 / 431,8	595 / 539,7
b x n EN 1092-2 / ANSI B16.5	19x8	19x8	23x12 / 22,3x8	23x12 / 22,3x8	28x12 / 25,4x12	28x12 / 25,4x12	31x16 / 28,6x16
D EN 1092-2 / ANSI B16.5	200 / 190,5	220 / 228,6	285 / 279,4	340 / 342,9	405 / 406,4	460 / 482,6	595
BP	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)	G3/4 (Rd 3/4-14)
Turns to open/close	7 1/2	9 1/4	13 3/4	18	21 3/4	26 1/3	34 1/2
Stem Top Square □ S	19	19	19	24	27	27	32
Closing Torque [Nm]	70±10	80±10	100±20	130±20	180±20	200±20	250±20
Weight [kg]	BS (British Standard)	21	24,2	45,3	71,3	93,5	142
	ANSI (US Standard)	21,4	27,3	48,5	79,1	107	168,9
							295,7

O.R. - Available on request.

ZASUWA DO GAZU OPTIVALVE PLUS™ STALIWNA Z KRÓĆCAMI PE

DN 400

No	Part Name	Material
1	Body	Cast Steel GP240GH / GS-C25N
2	Bonnet	Cast Steel GP240GH / GS-C25N
3	Gland Housing	Cast Steel GP240GH / GS-C25N
4	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
9	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Washer	Stainless Steel A2-70
16	Nut	Stainless Steel A2-70
17	Sleeve	Steel
18	Shrink Hose	Plastic
19	Pipe	PE 100 gas pipes SDR11



Dimension:

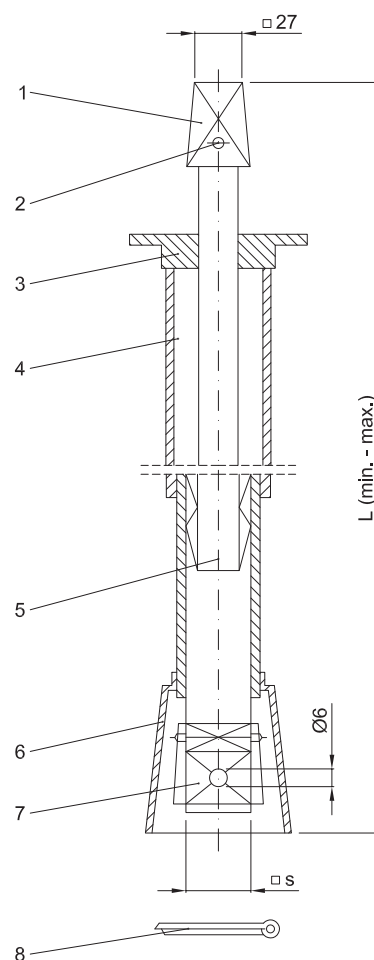
DN	400
PE (PE100, SDR 11)	400
EPOXY POWDER COATING	
PN10	BG4051
POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK	
PN10	BG4066
L *	1760
L1**	400
H	1015
B	235
Stem Top Square □ S	32
Turns to open/close	34 1/2
Weight [kg]	469

* Other lengths available on request

TELESCOPIC EXTENSION SPINDLE FOR OPTIVALVE™ GAS VALVE

DN 40 - DN 300

No	Part Name	Material
1	Hood	Ductile Iron EN-GJS-500-7
2	Spring Pin	Steel FeZn5
3	Collar	Polyethylene PE
4	Casting liner	Polyethylene PE
5	Spindle	Profil stalowy S235JR / galvanized steel profile
6	Pipe Bell	Polyethylene PE
7	Coupling	Gray Cast Iron EN-GJL-250 optional Ductile Iron EN-GJS-500-7
8	Cotter pin	Steel FeZn5 / Stainless Steel

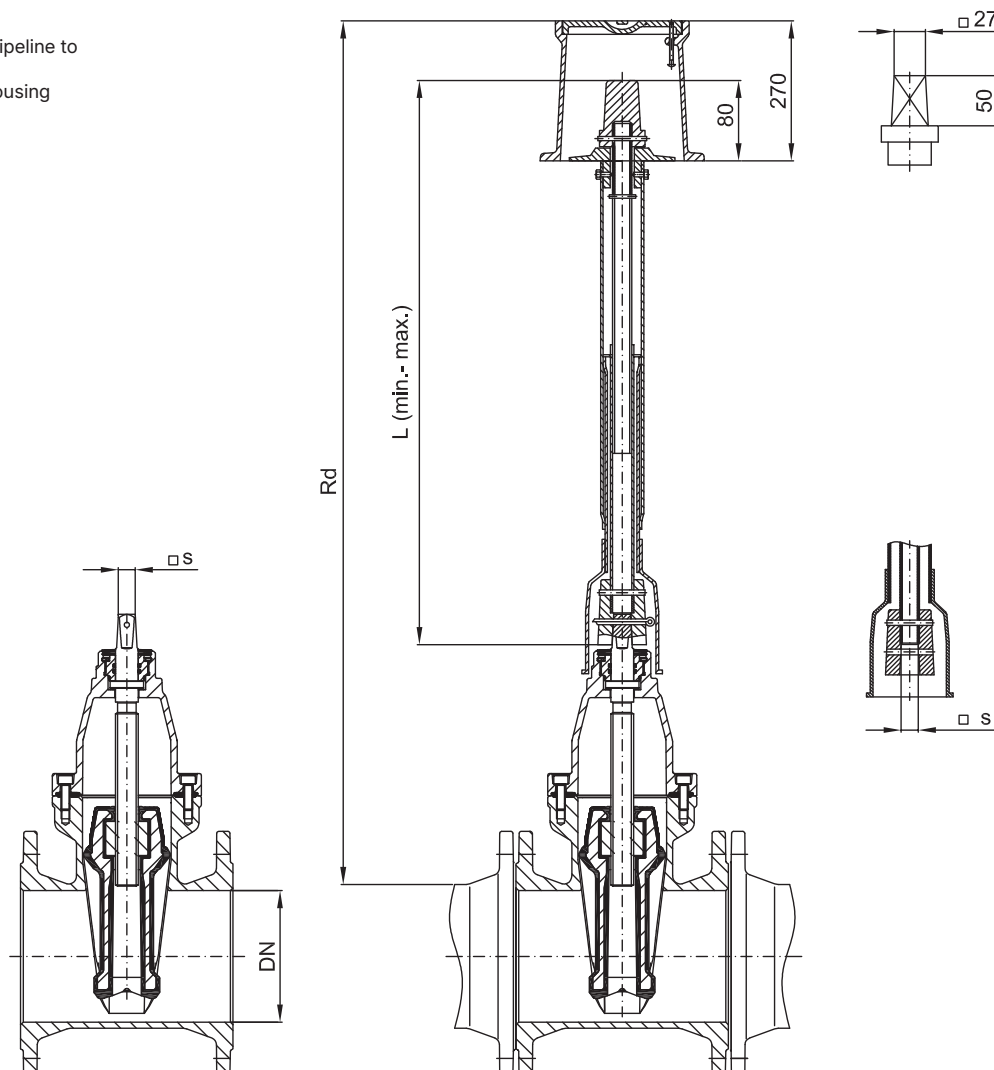


Dimension:

Stem Top Square □S [mm]	Weight [kg]					
	L [mm] 550/800	L [mm] 800/1200	L [mm] 1000/1650	L [mm] 1400/2200	L [mm] 1600/2500	L [mm] 2000/3000
14	3,0	4,0	4,5	5,2	6,0	7,0
17	3,0	4,0	4,5	5,3	6,0	7,0
19	3,0	4,0	4,5	5,3	6,0	7,0
24	3,5	4,5	5,0	6,0	6,5	8,0
27	3,5	4,5	5,0	6,0	6,5	8,0
32	3,7	4,7	5,2	6,2	6,7	8,2

Selecting a telescopic housing for the OptiValve™ valve

Rd - distance from the base of the pipeline to
the ground level
L - actual length of the telescopic housing

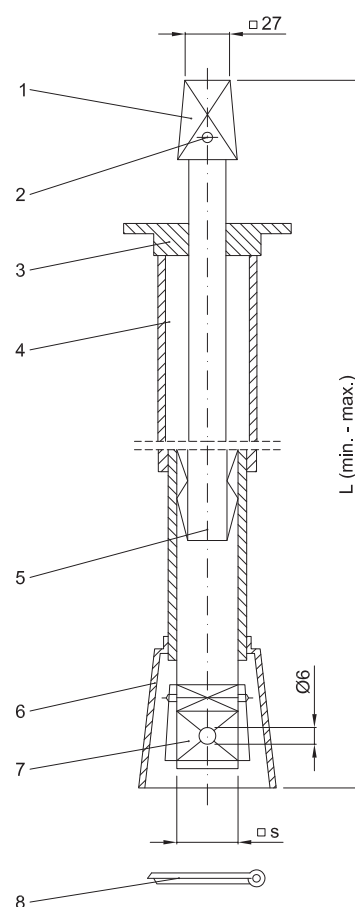


DN	Stem Top Square □ S [mm]	L [mm] 550/800		Code	L [mm] 800/1200		Code	L [mm] 1000/1650		Code	L [mm] 1400/2200		Code
		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max	
40	14	899	1149	AA1056	1149	1549	AA1057	1349	1999	AA1058	1749	2549	AA1059
50	14	938	1188	AA1056	1188	1588	AA1057	1388	2038	AA1058	1788	2588	AA1059
65	17	927	1177	AA1062	1177	1577	AA1063	1377	2027	AA1064	1777	2577	AA1065
80	17	935	1185	AA1062	1185	1585	AA1063	1385	2035	AA1064	1785	2585	AA1065
100	19	954	1204	AA1068	1204	1604	AA1069	1404	2054	AA1070	1804	2604	AA1071
125	19	1042	1292	AA1068	1292	1692	AA1069	1492	2142	AA1070	1892	2692	AA1071
150	19	1017	1267	AA1068	1267	1667	AA1069	1467	2117	AA1070	1867	2667	AA1071
200	24	1082	1332	AA1074	1332	1732	AA1075	1532	2182	AA1076	1932	2732	AA1077
250	27	1129	1379	AA1080	1379	1779	AA1081	1579	2229	AA1082	1979	2779	AA1083
300	27	1184	1434	AA1080	1434	1834	AA1081	1634	2284	AA1082	2034	2834	AA1083

TELESCOPIC EXTENSION SPINDLE FOR OPTIVALVE PLUS™ GAS VALVE

DN 50 - DN 400

No	Part Name	Material
1	Hood	Ductile Iron EN-GJS-500-7
2	Spring Pin	Steel FeZn5
3	Collar	Polyethylene PE
4	Casting liner	Polyethylene PE
5	Spindle	Steel profile S235JR / galvanized steel profile
6	Pipe Bell	Polyethylene PE
7	Coupling	Gray Cast Iron EN-GJL-250 optional Ductile Iron EN-GJS-500-7
8	Cotter pin	Steel FeZn5 / Stainless Steel

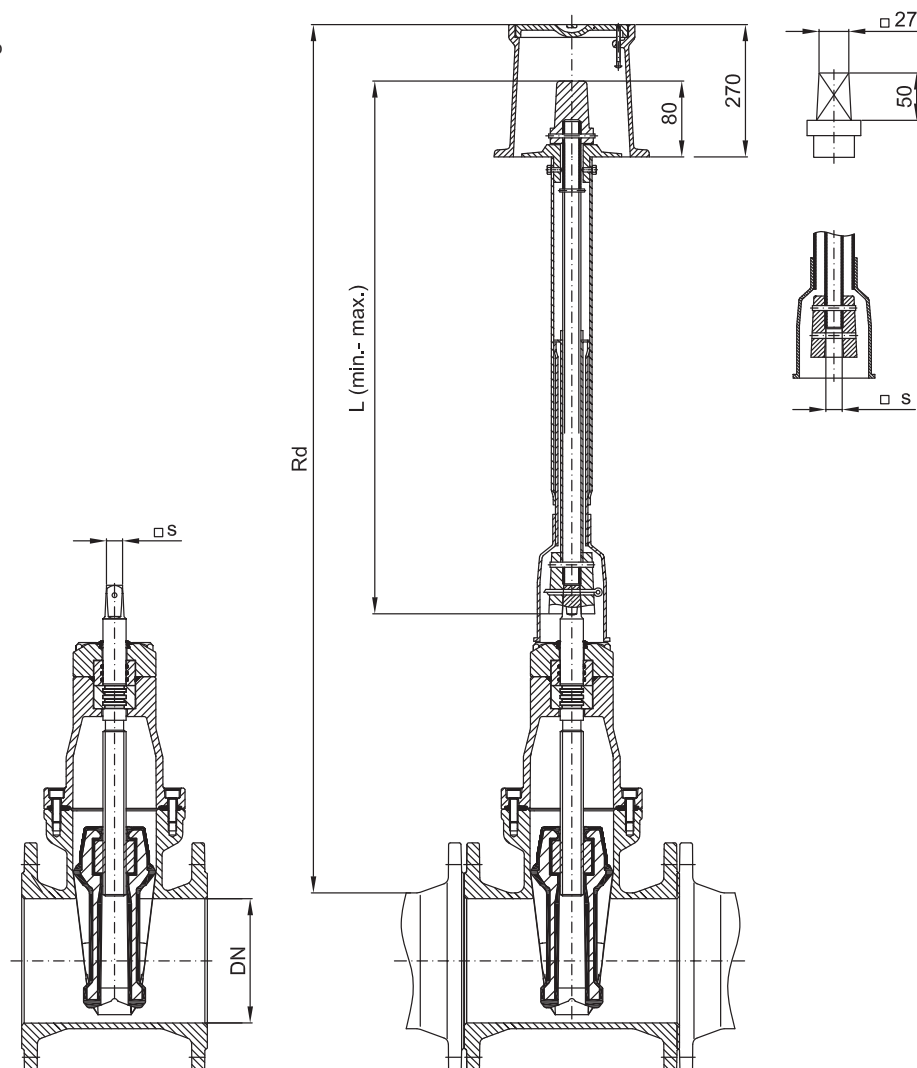


Dimension:

Stem Top Square $\square S$ [mm]	Weight [kg]					
	L [mm] 550/800	L [mm] 800/1200	L [mm] 1000/1650	L [mm] 1400/2200	L [mm] 1600/2500	L [mm] 2000/3000
14	3,0	4,0	4,5	5,2	6,0	7,0
17	3,0	4,0	4,5	5,3	6,0	7,0
19	3,0	4,0	4,5	5,3	6,0	7,0
24	3,5	4,5	5,0	6,0	6,5	8,0
27	3,5	4,5	5,0	6,0	6,5	8,0
32	3,7	4,7	5,2	6,2	6,7	8,2

Selecting a telescopic housing for the OptiValve Plus™ valve

Rd - distance from the base of the pipeline to the ground level
L - actual length of the telescopic housing



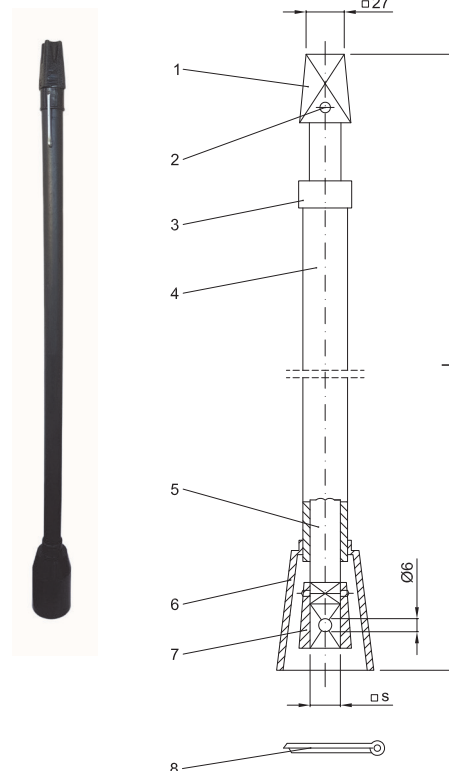
DN	Stem Top Square □S [mm]	L [mm] 550/800		Code	L [mm] 800/1200		Code	L [mm] 1000/1650		Code	L [mm] 1400/2200		Code
		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max		Rd [mm] min	max	
50	17	1011	1261	AA1062	1261	1661	AA1063	1461	2111	AA1064	1861	2661	AA1065
50*	19	1011	1261	AA1068	1261	1661	AA1069	1461	2111	AA1070	1861	2661	AA1071
80	17	981	1231	AA1062	1231	1631	AA1063	1431	2081	AA1064	1831	2631	AA1065
80*	19	981	1231	AA1068	1231	1631	AA1069	1431	2081	AA1070	1831	2631	AA1071
100	19	1001	1251	AA1068	1251	1651	AA1069	1451	2101	AA1070	1851	2651	AA1071
125	19	1105	1355	AA1068	1355	1755	AA1069	1555	2205	AA1070	1955	2755	AA1071
150	19	1081	1331	AA1068	1331	1731	AA1069	1531	2181	AA1070	1931	2731	AA1071
200	24	1154	1404	AA1074	1404	1804	AA1075	1604	2254	AA1076	2004	2804	AA1077
250	27	1213	1462	AA1080	1463	1863	AA1081	1663	2313	AA1082	2063	2863	AA1083
300	27	1269	1519	AA1080	1519	1919	AA1081	1719	2369	AA1082	2119	2919	AA1083
400	32	1460	1710	-	1710	2110	AA1118	1910	2560	AA1119	2310	3110	AA1120

*1 BS standard

FIXED EXTENSION SPINDLES FOR GAS VALVE

DN 40 - DN 400

No	Part Name	Material
1	Hood	Ductile Iron EN-GJS-500-7
2	Spring Pin	Steel FeZn5
3	Collar	Polyethylene PE
4	Casting Liner	Polyethylene PE
5	Spindle	Steel profile S235JR / galvanized steel profile
6	Pipe Bell	Polyethylene PE
7	Coupling	Gray Cast Iron EN-GJL-250 optional Ductile Iron EN-GJS-500-7
8	Cotter Pin	Steel FeZn5 / Stainless Steel



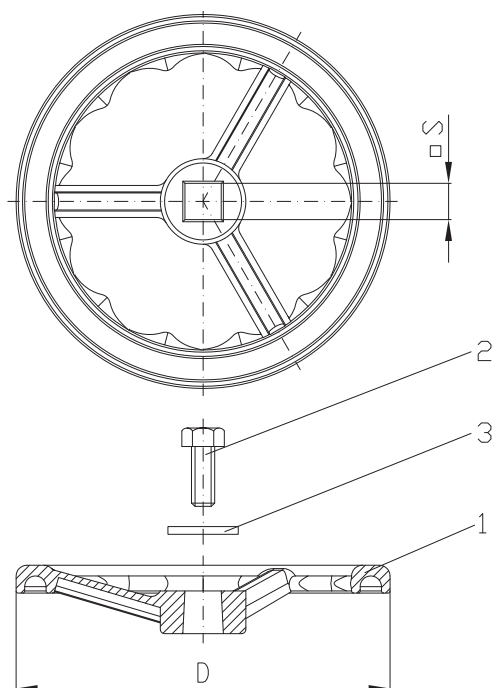
Dimension:

DN	Length L [mm]	Weight [kg]	Code OptiValve™	Stem Top Square □ S [mm]	Code OptiValve Plus™	Stem Top Square □ S [mm]
50	700	3,0	AA1156	14	AA1236	17
	1000	4,0	AA1157		AA1237	
	1250	4,5	AA1158		AA1238	
	1500	5,2	AA1159		AA1239	
80	700	3,0	AA1162	17	AA1242	17
	1000	4,0	AA1163		AA1243	
	1250	4,5	AA1164		AA1244	
	1500	5,3	AA1165		AA1245	
100 -150	700	3,0	AA1168	19	AA1248	19
	1000	4,0	AA1169		AA1249	
	1250	4,5	AA1170		AA1250	
	1500	5,3	AA1171		AA1251	
200	700	3,5	AA1174	24	AA1254	24
	1000	4,5	AA1175		AA1255	
	1250	5,0	AA1176		AA1255	
	1500	6,0	AA1177		AA1256	
250-300	700	3,5	AA1180	27	AA1260	27
	1000	4,5	AA1181		AA1261	
	1250	5,0	AA1182		AA1262	
	1500	6,0	AA1183		AA1263	

HAND WHEELS FOR GAS VALVE

DN 40 - DN 400

No	Part Name	Material
1	Hand Wheel	Ductile Iron EN-GJS-500-7
2	Locking Nut	Stainless Steel A2-70
3	Washer	Stainless Steel A2-70



Dimension:

DN		40	50	65	80	100	125	150	200	250	300	400
Hand Wheel diameter		200	200	250	250	250	300	300	400	500	500	600
Hand Wheel for Opti-Valve™ F4, F5	Stem Top Square □S	14	14	17	17	19	19	19	24	27	27	32
	Weight [kg]	0,8	0,8	0,8	1,7	1,6	2,7	2,7	3,3	4,8	4,8	6,5
	Code	AA2087	AA2087	AA2088	AA2088	AA2089	AA2090	AA2090	AA2091	AA2092	AA2092	AA2094
Hand Wheel for OptiValve Plus™ F4, F5	Stem Top Square □S	-	-	-	17	19	19	19	24	27	27	32
	Weight [kg]	-	-	-	1,6	1,6	2,7	2,7	3,3	4,8	4,8	6,5
	Code	-	-	-	AA2088	AA2089	AA2090	AA2090	AA2091	AA2092	AA2092	AA2094

SURFACE BOX FOR VALVE

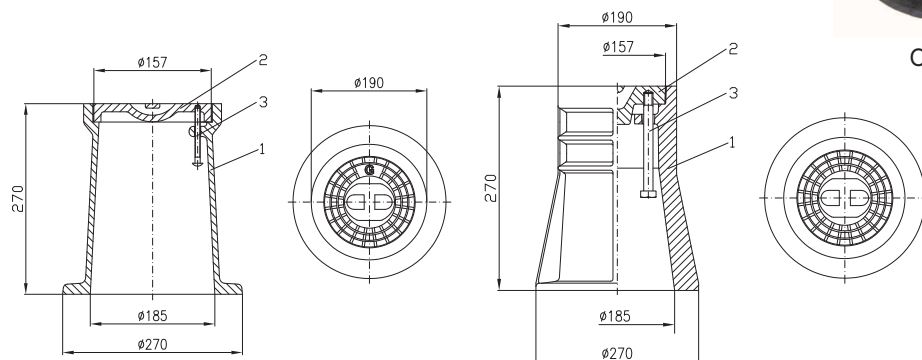
No	Part Name	Material
1	Body	Grey Cast Iron EN-GJL-250 HDPE plastic
2	Bonnet	Grey Cast Iron EN-GJL-250
3	Bolt	Steel FeZn5 gr 5.8



Cast Iron



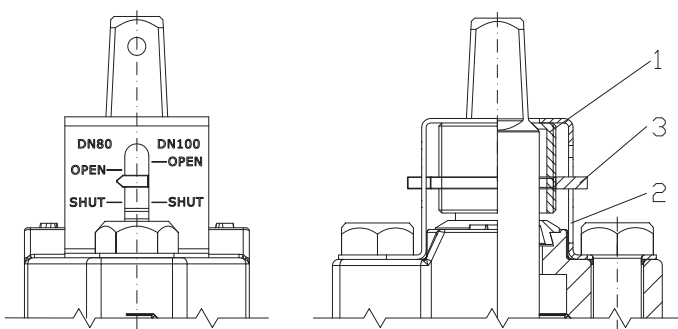
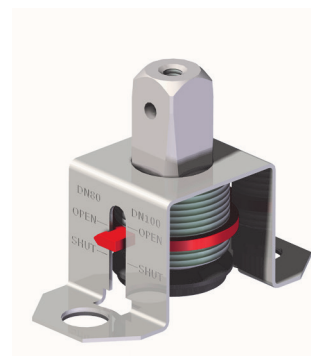
PEHD



	Cast Iron Surface Box	PEHD Surface Box
Code	AA0502	AA0552
Weight [kg]	13	4

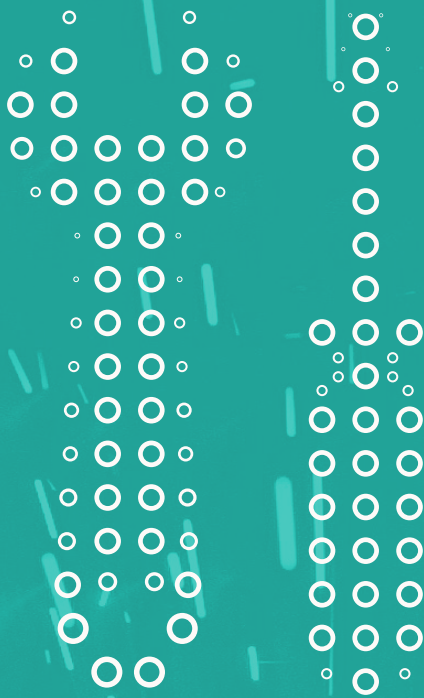
POSITION INDICATOR

No	Part Name	Material
1	Indicatar Sleeve	Plastic
2	Indicator Bracket	Stainless Steel X20Cr13 / 1.4021 / 420
3	Indicator Pointer	Plastic



Dimension:

Valve DN	50	80	100	150	200	250	300
Code	AP0090	AP0090	AP0090	AP0091	AP0092	AP0093	AP0093
Weight [kg]	0,07	0,07	0,07	0,09	0,15	0,18	0,18



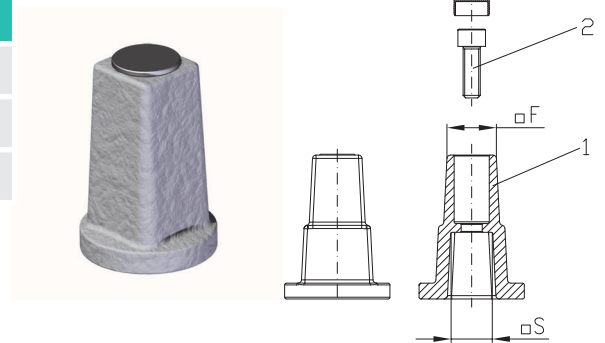
VALVE ACCESSORIES



Please use product codes when placing your order.

CAP TOP

No	Part Name	Material
1	Cap Top	Ductile Iron EN-GJS-500-7
2	Locking Nut	Stainless Steel A2-70
3	Plug	Plastic



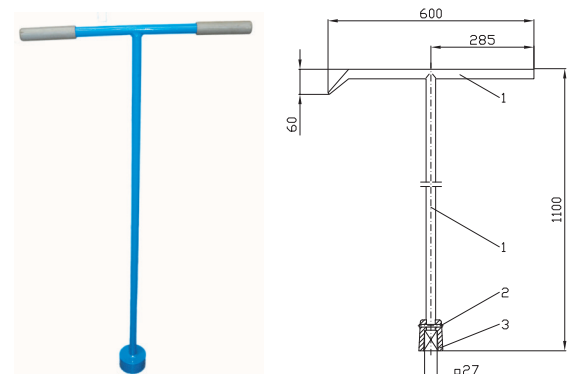
Dimension:

Valve DN	20-50	65-80	100	125	150	200	250	300
Code	AA2400	AA2401	AA2402	AA2402	AA2402	AA2403	AA2404	AA2404
Square bolt/key □S/□F	14/27	17/27	19/27	19/27	19/27	24/27	27/27	27/27
Weight [kg]	0,3	0,3	0,3	0,3	0,3	0,6	0,5	0,5

KEY T FOR VALVE

No	Part Name	Material
1	Rot	Steel FeZn5
2	Pin	Steel FeZn5
3	Base	Ductile Iron EN-GJS-500-7

Code	AA0000
Stem Top Square □S	27
Weight [kg]	8,5

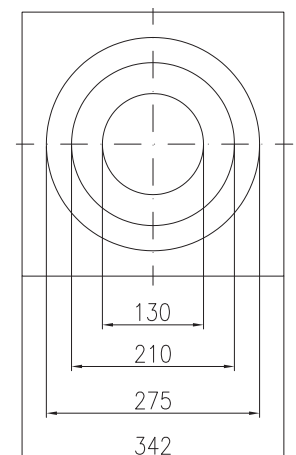


SUPPORT TILE

Material:

Coating protection:
PEHD

Code	AA0561
Weight [kg]	0,9





FIRE PROTECTION AND WATER SUPPLY FITTINGS



Please use product codes when placing your order.

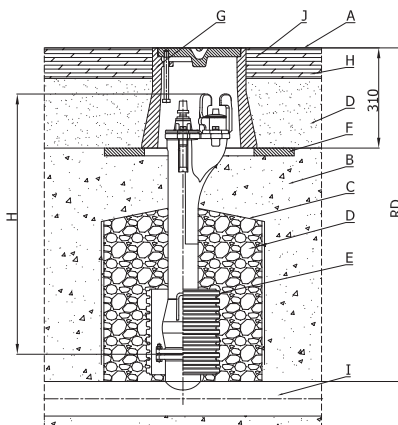
UNDERGROUND FIRE HYDRANT SMART WITH SINGLE SHUT-OFF

DN 80

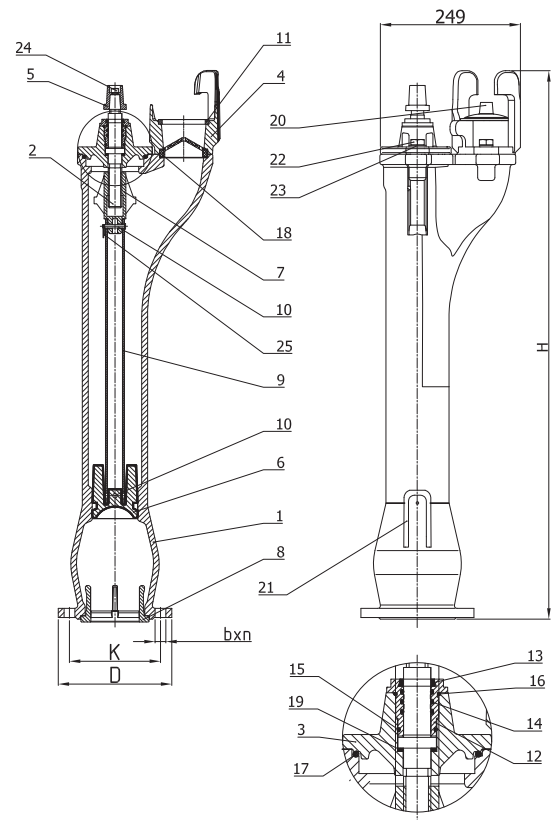
No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Stem	Stainless Steel 420
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Outlet	Ductile Iron EN-GJS-500-7
5	Cap Top	Ductile Iron EN-GJS-500-7
6	Disc	EN-GJS-500-7 + EPDM
7	Wedge Nut	Brass CW612N
8	Flange Nut	EPDM + PVC
9	Connection Pipe	Stainless Steel 304
10	Pin	Stainless Steel 420
11	Brass Ring	Brass CW612N
12	Gland Bush	Brass CW612N
13	Dust Ring	Elastomer EPDM
14	O-Ring	Elastomer EPDM
15	O-Ring	Elastomer EPDM
16	O-Ring	Elastomer EPDM
17	O-Ring	Elastomer EPDM
18	Strainer	Elastomer EPDM
19	Bottom Washer	PTFE
20	Cover	Polypropylene PP
21	Drainage Cover	Polyvinyl chloride PVC
22	Bolt	Stainless Steel A2-70
23	Washer	Stainless Steel A2-70
24	Bolt	Stainless Steel A2-70
25	Pin	Stainless Steel A2-70



Flow - Kv value DN 80 [m³/h]	
Rd	Kv measured
1000	136
1250	129
1500	122



A - Ground level
 B - Well –established ground
 C - Recommended PE foil or felt
 D - Sand size 4-20 mm
 E - Option: drainage
 F - Base plate
 G - Surface box
 H - Grass
 I - Pipeline
 J - Asphalt



Dimension:

DN	Code	Rd	H	Connecting flange				Weight [kg]
				D	K	n	b	
80	AF0652	1000	725	200	160	8	19	31,1
	AF0653	1250	975					38,3
	AF0654	1500	1225					42,1

Rd - recommended construction depth
 H - total height of the hydrant

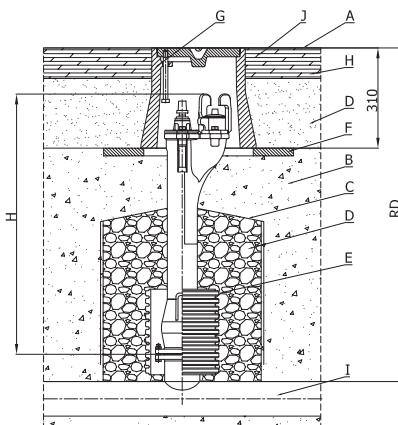
UNDERGROUND FIRE HYDRANT SMART WITH DOUBLE SHUT-OFF

DN 80

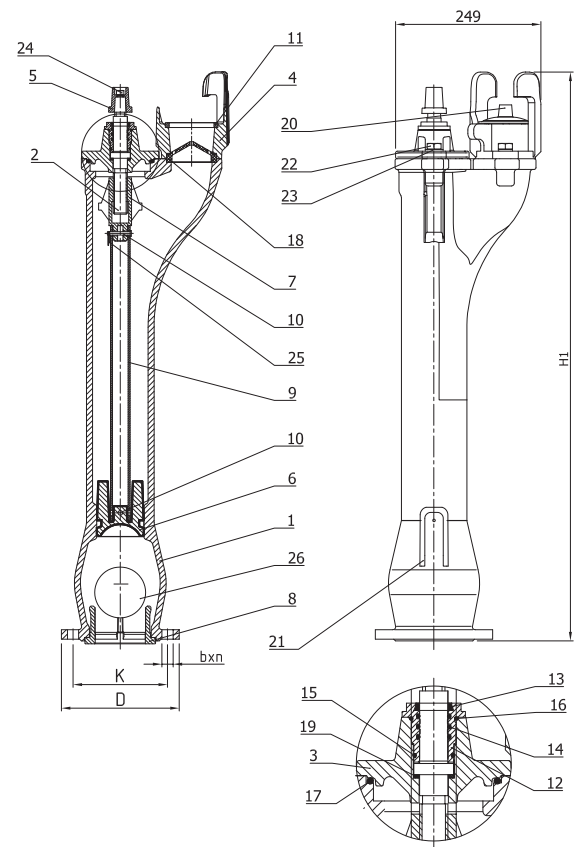
No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Stem	Stainless Steel 420
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Outlet	Ductile Iron EN-GJS-500-7
5	Cap Top	Ductile Iron EN-GJS-500-7
6	Disc	EN-GJS-500-7 + EPDM
7	Wedge Nut	Brass CW612N
8	Flange Nut	EPDM + PVC
9	Connection Pipe	Stainless Steel 304
10	Pin	Stainless Steel 420
11	Brass Ring	Brass CW612N
12	Gland Bush	Brass CW612N
13	Dust Ring	Elastomer EPDM
14	O-Ring	Elastomer EPDM
15	O-Ring	Elastomer EPDM
16	O-Ring	Elastomer EPDM
17	O-Ring	Elastomer EPDM
18	Strainer	Elastomer EPDM
19	Bottom Washer	PTFE
20	Cover	Polypropylene PP
21	Drainage Cover	Polyvinyl chloride PVC
22	Bolt	Stainless Steel A2-70
23	Washer	Stainless Steel A2-70
24	Bolt	Stainless Steel A2-70
25	Pin	Stainless Steel A2-70
26	Ball	Poyamide



Flow - Kv value DN 80 [m³/h]	
Rd	Kv measured
1000	136
1250	129
1500	122



- A - Ground level
- B - Well -established ground
- C - Recommended PE foil or felt
- D - Sand size 4-20 mm
- E - Option: drainage
- F - Base plate
- G - Surface box
- H - Grass
- I - Pipeline
- J - Asphalt



Dimension:

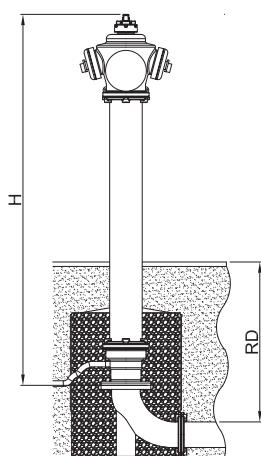
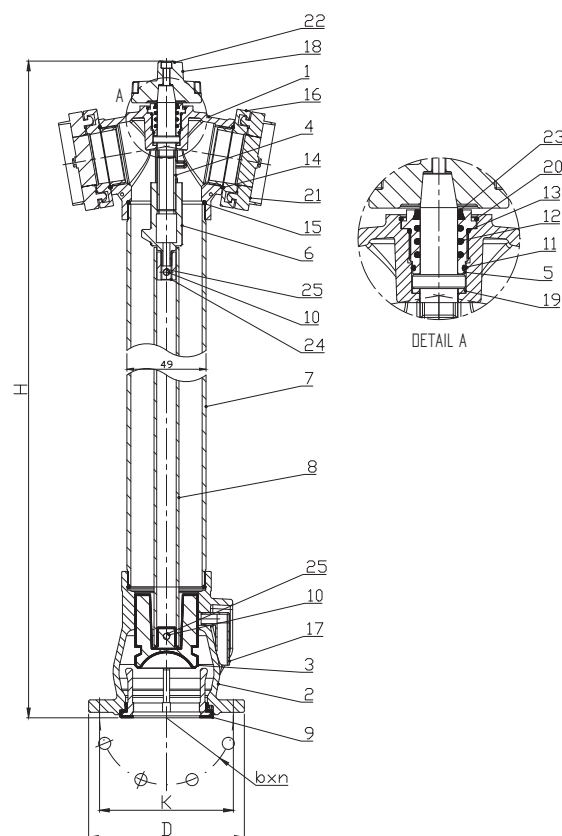
DN	Code	Rd	H	Connecting flange				Weigth [kg]
				D	K	n	b	
80	AF0655	1000	725	200	160	8	19	31,6
	AF0656	1250	975					38,8
	AF0657	1500	1225					42,1

Rd - recommended construction depth
H - total height of the hydrant

OVERGROUND FIRE HYDRANT AQUASMART TYPE 1205A WITH SINGLE SHUT-OFF

DN 80

NO	Part Name	Material
L	Head	Ductile Iron EN-GJS-500-7
2	Lower Head	Ductile Iron EN-GJS-500-7
3	Disc	EN-GJS-500-7 + EPDM
4	Stem	Stainless Steel 420
5	Gland Bush	Brass CW612N
6	Wedge Nyt	Brass CW612N
7	Hydrant Column	Steel 1.0037 (S235JR)
8	RConnection Pipe	Stainless Steel 304
9	Flange Bush	EPDM + PCW
10	Pin	Stainless Steel 420
11	O-Ring	Elastomer EPDM
12	O-Ring	Elastomer EPDM
13	O-Ring	Elastomer EPDM
14	O-Ring	Elastomer EPDM
15	O-Ring	Elastomer EPDM
16	Base 75	Aluminum
17	Drainage Cover	Polyvinylchloride PVC
18	Adapter	EN-GJS-500-7
19	Bottom Washer	Plastic PTFE
20	Spring Ring	Steel
21	Storz Coupling 75	Aluminum
22	Screw	Stainless Steel A2-70
23	Dust Seal	Elastomer EPDM
24	Bushing	Stainless Steel 420
25	Cotter Pin	Stainless Steel 420



Dimension:

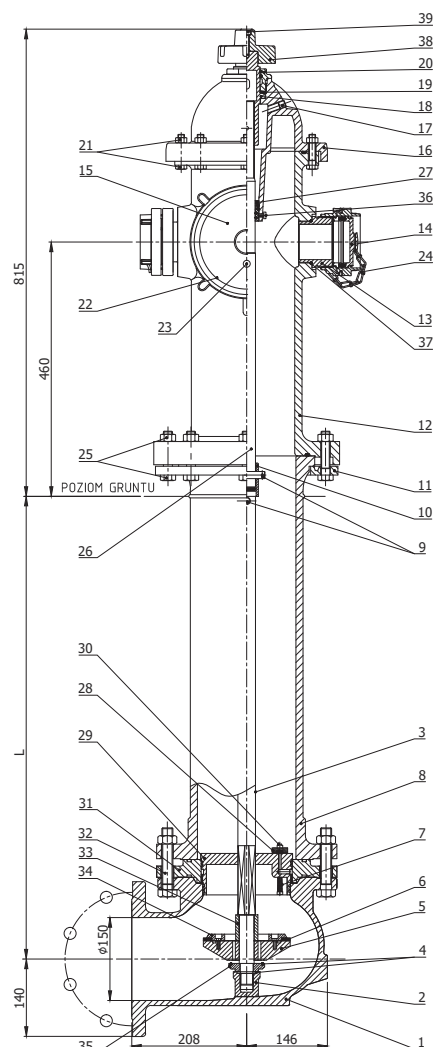
DN	Code	Rd	H	D	K	n	b	Weight [kg]
80	AF0788	1000	1850	200	160	8	19	37,5
	AF0789	1250	2100					41,5
	AF0790	1500	2400					45,5

Rd - recommended construction depth
H - total height of the hydrant

DRY BARREL FIRE HYDRANT SMART DN150 PN16

AF02-250W-01

No	Part Name	Material
1	Flange Connector	Ductile Iron EN-GJS-500-7
2	Locking Nut	Ductile Iron EN-GJS-500-7
3	Connecting Rod	Steel 1045
4	Locking Nut Gasket	Elastomer EPDM
5	Tray	Ductile Iron EN-GJS-500-7
6	Sealed Rubber Sheet	Elastomer EPDM
7	Drain Hole Spring	Stainless Steel AISI 316
8	Connecting Cylinder	Ductile Iron EN-GJS-500-7
9	Perforated Cylindrical Pin	Steel 1045
10	Connecting Rod Sleeve	Steel 1045
11	Clamp for Connection Tube	Ductile Iron EN-GJS-500-7
12	Main Body on Ground	Ductile Iron EN-GJS-500-7
13	Connector	Bronze C95400
14	Connector Storz 75 with Cap	Aluminum
15	Connector Storz 110 with Cap	Aluminum
16	Upper End Cover	Ductile Iron EN-GJS-500-7
17	Bolt, Nut	Bronze C95400
18	Screw Stem Nut	Bronze C95400
19	Screw Nut Gasket	Bronze C95400
20	Screw Nut Seat	Bronze C95400
21	Bolt, Nut	Steel 1035
22	Connector 100	Bronze C95400
23	Cylindrical Pin	Steel 1045
24	Cover Chain	Gr. B ASTM A283-B
25	Bolt, Nut	Steel 1035
26	Screw Stem	Bronze C95400
27	Screw Stem Bushing	Stainless Steel AISI 304
28	Drain Hole Cover	C95400 + EPDM
29	Seat	Bronze C95400
30	Bolt, Nut	Stainless Steel AISI 304
31	Seat Fixing Plate	Ductile Iron EN-GJS-500-7
32	Bolt, Nut	Steel 1035
33	Annular Tubes	Steel 1045
34	Platen	Ductile Iron EN-GJS-500-7
35	Locking Nut Seat	Ductile Iron EN-GJS-500-7
36	Bolt	Stainless Steel AISI 304
37	Gasket	Elastomer EPDM
38	Adaptor	Ductile Iron EN-GJS-500-7
39	Bolt	Steel 1035



Dimension:

AF02-250W-01	EN 1092 PN16	AF0798	AF0778	AF0779	AF0780	AF0781	AF0782	AF0783	AF0784	AF0785
L	[inch]	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'	6' 6"	7'
	[mm]	911	1063	1215	1368	1520	1673	1825	1978	2130
Weight (kg)		160	179	196	203	210	225	250	255	265

Technical drawing of a vertical valve assembly. The drawing shows a side view and a top view. Key dimensions and labels include:

- 1000**: Total height of the assembly.
- 700**: Height from the base to the top of the main body.
- 5.17.18**: Label for the top flange assembly.
- 19**: Label for the top flange assembly.
- 14**: Label for the main body.
- 13**: Label for the main body.
- H0**: Height from the base to the top of the main body.
- L - regulacja wysokości posadowienia**: Label for the base adjustment height.
- ø305**: Diameter of the base.

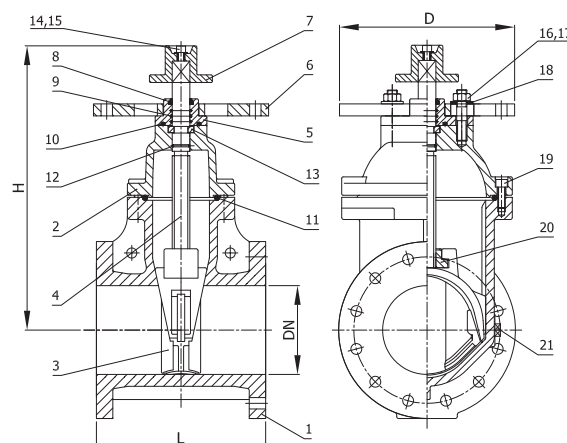
Dimension:

DN (Inch)	100 (4")	150 (6")	200 (8")	250 (10")	300 (12")
Turn to close open	13	20	26	33	39
HO	252	355	444	534	617
L minimum	1170	1270	1360	1450	1535
L maksimum	1790	1895	1885	2075	2155

RESILIENT SEATED NRS GATE VALVE FLANGED END

AF07-300F-01 3" - 12"

No	Part Name	Material - ASTM Specification
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Wedge	Ductile Iron, EPDM Encapsulated
4	Stem	Stainless Steel AISI 304
5	Gland	Ductile Iron EN-GJS-500-7
6	Terminal Pad	Ductile Iron EN-GJS-500-7
7	Link Block	Ductile Iron EN-GJS-500-7
8	Sealing Gland	Elastomer EPDM
9	O-ring Seal	Elastomer EPDM
10	O-Ring	Elastomer EPDM
11	Sealing Ring	Elastomer EPDM
12	Sealing Ring	Elastomer EPDM
13	Retaining Ring	Bronze C95400
14	Flat Washer	Stainless Steel AISI 304
15	Inner Hexagon Screw	Stainless Steel AISI 304
16	Nut	Stainless Steel AISI 304
17	Studs	Stainless Steel AISI 304
18	Washer	Steel 1045
19	Inner Hexagon Screw	Steel 1045
20	Wedge Nut	Bronze C95400
21	Plug	Bronze C95400



Dimension:

Dimension DN/inch		80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"
AF04	PN16	AM0501	AM0502	AM0503	AM0504	AM0505	AM0506	AM0507
L	[inch]	8	9	10	10-1/2	11-1/2	13	14
	[mm]	203	229	254	267	292	330	356
H	[inch]	12,7	13,5	16,2	17,6	21	25	28,3
	[mm]	322	342	412	448	534	635	720
D	[inch]	12	12	12	12	12	12	12
	[mm]	305	305	305	305	305	305	305
Weight (kg)		25	34	56,4	71,2	112	140,8	201,6

SURFACE BOX FOR FIRE HYDRANT

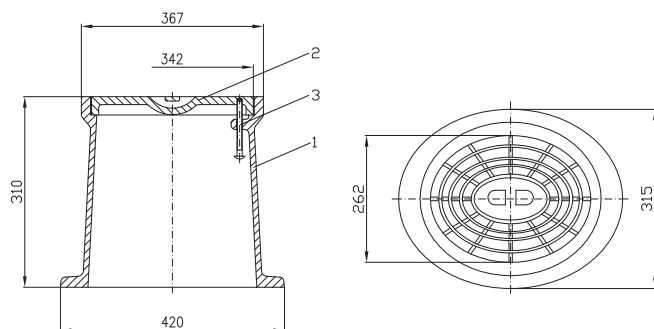
No	Part Name	Material
1	Body	Grey Cast Iron EN-GJL-250 Plastic PEHD
2	Bonnet	Grey Cast Iron EN-GJL-250
3	Bolt	Steel FeZn5 gr 5.8



Cast Iron



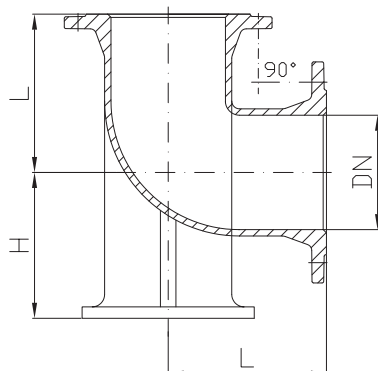
PEHD



	Cast Iron Surface Box	PEHD Surface Box
Product code	AA0500	AA0550
Weight [kg]	32,1	12

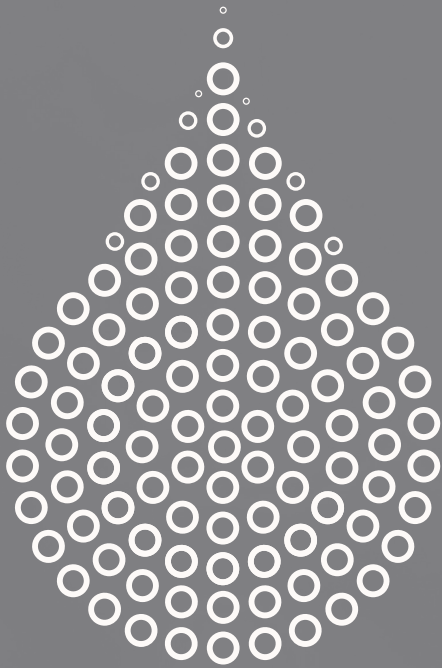
DOUBLE FLANGE BENDS TYPE N

DN 80 - DN 100



Dimension:

DN	Code		L [mm]	H [mm]	Weight [kg]
	PN10	PN16			
80	AF0302	-	165	110	13
100	AF0303	-	180	125	17



SEWAGE EQUIPMENT

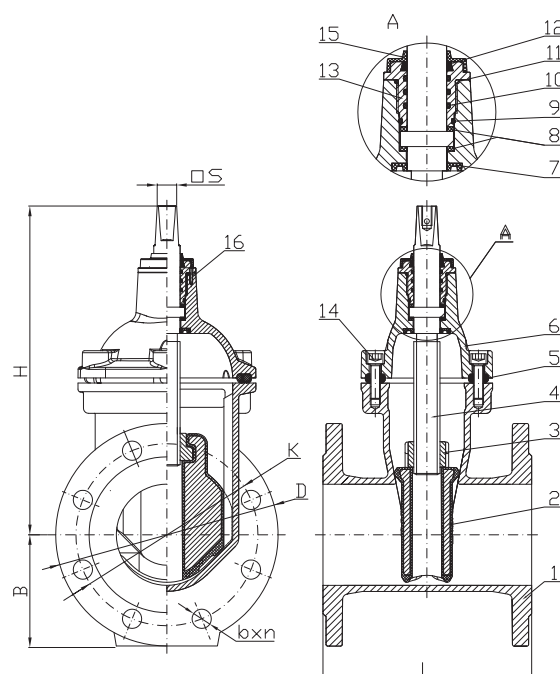


Please use product codes when placing your order.

SEWAGE RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F4

DN 40 - DN 300

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminium Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Main seal	Elastomer NBR
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Bonnet Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70



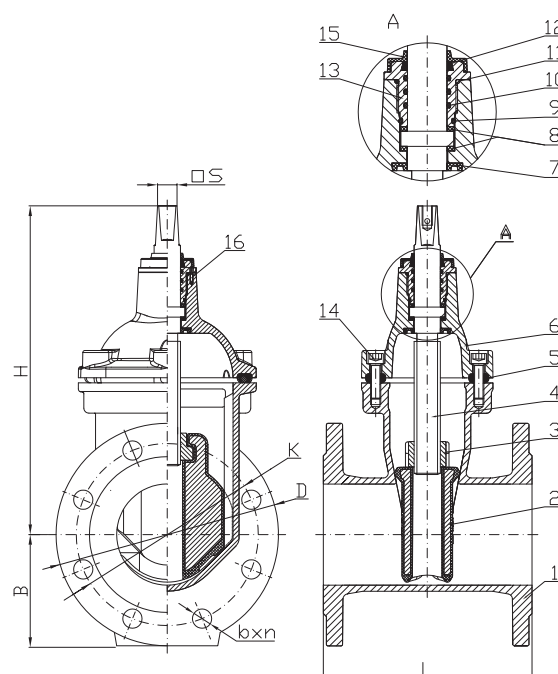
Dimension:

DN		40	50	65	80	100	125	150	200	250	300
F4	PN10	AD1267	AD1268	AD1269	AD1270	AD1271	AD1272	AD1273	AD1274	AD1275	AD1276
	PN16								AD1277	AD1278	AD1279
L		140	150	170	180	190	200	210	230	250	270
H		205	218	255	277	325	355	395	482	572	662
B		70	75	85	95	102	120	134	165	196	225
K PN16 / PN10		110	125	145	160	180	210	240	295	355 / 350	410 / 400
b×n PN16 / PN10		19×4	19×4	19×4	19×8	19×8	19×8	23×8	23×2 / 23×8	27×12 / 23×12	27×12 / 23×12
D		150	165	185	200	220	250	285	340	405	460
Stem Top Square □S		14	14	17	17	19	19	19	24	27	27
Weight [kg]		8,5	9,5	11,5	13,0	17,5	24,0	31,5	54,0	76,5	109,5

SEWAGE RESILIENT SEATED GATE VALVE ECOVALVE™ FLANGED END F5

DN 40 - DN 300

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., NBR encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminium Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer EPDM
6	Bonnet	Ductile Iron EN-GJS-500-7
7	Main seal	Elastomer NBR
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Bonnet Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70



Dimension:

DN		40	50	65	80	100	125	150	200	250	300
F5	PN10	AD1334	AD1335	AD1336	AD1337	AD1338	AD1339	AD1340	AD1341	AD1342	AD1343
	PN16								AD1344	AD1345	AD1346
L		240	250	270	280	300	325	350	400	450	500
H		205	218	255	277	325	355	395	482	572	662
B		70	75	85	95	102	120	134	165	196	225
K PN16 / PN10		110	125	145	160	180	210	240	295	355 / 350	410 / 400
b x n PN16 / PN10		19×4	19×4	19×4	19×8	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12
D		150	165	185	200	220	250	285	340	405	460
Stem Top Square □S		14	14	17	17	19	19	19	24	27	27
Weight [kg]		10,6	11,8	12,2	14,4	20,2	32,7	34,8	64	87	146,4

SEWAGE RESILIENT SEATED GATE VALVE ECOVALVE™ WITH PE FITTINGS

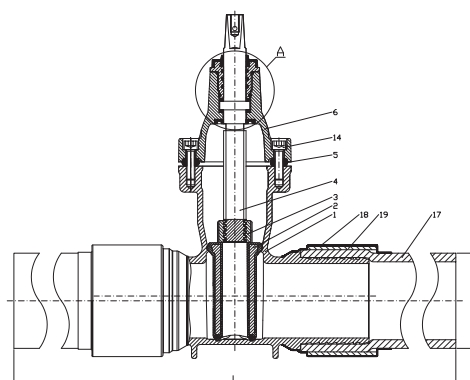
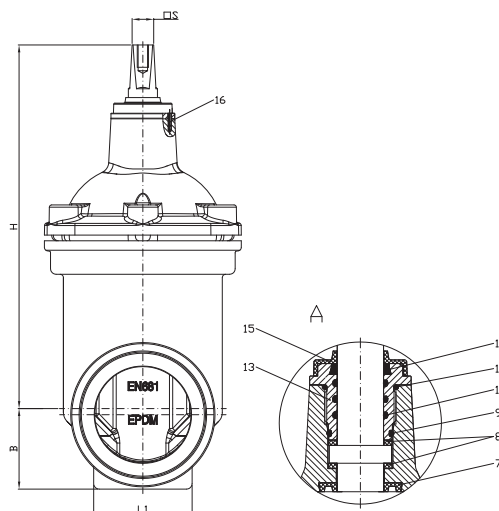
DN 50 - DN 100

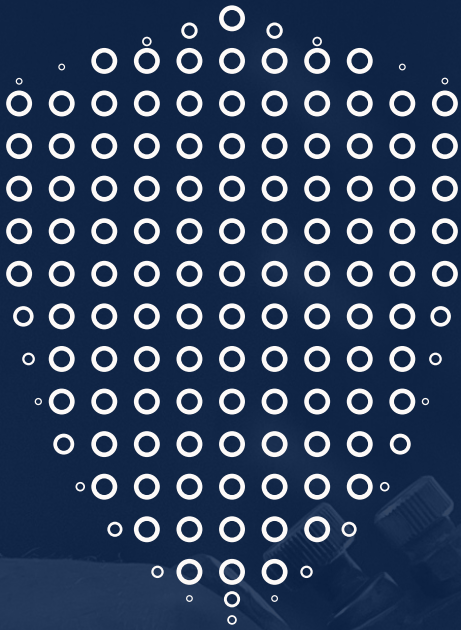
No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Wedge	D.I., EPDM encapsulated EN-GJS-400-18/ EN-GJS-500-7
3	Wedge Nut	Aluminum Bronze CuAl10Ni5Fe4 / H.T. dezincification resistant Brass
4	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
5	Bonnet Gasket	Elastomer NBR
6	Bonnet	Elastomer NBR
7	Main seal	Elastomer NBR
8	Bottom Washer	Plastic PTFE
9	O-ring Seal	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	O-ring Seal	EElastomer NBR
12	Dust Seal	Elastomer NBR
13	Gland Bush	Brass
14	Bonnet Screws	Stainless Steel A2-70
15	Dust Seal	Elastomer NBR
16	Security screw	Stainless Steel A2-70
17	PE Pipe*	Polyethylene, high density PE 100 SDR 11
18	Shrink Hose	Thermo-shrink Plastic
19	Sleeve	Carbon Steel

Customization to SDR 17 and SDR 17.6 standards is available upon request."

Dimension:

DN	50	80	100
DE	63	90	110
PN16	AD1347	AD1348	AD1349
L	920±5	920±5	920±5
H	218,5	277	325
L1	70	70	88
B	44	62	72
Stem Top Square □S	14	17	19
Weight [kg]	9	14	18





PROTECTING WITH PUR COATINGS

POLYURETHANE PUR COATINGS

- comprehensive protection for products

RADIUS AEON is a leading specialist in the field of two-component polyurethane PUR coatings on fittings, pipes, and tanks. Thanks to many years of experience gained in the markets of Western Europe we offer a standardized, highly precise service securing PUR-coated installation elements against adverse external factors.



What distinguishes AEON PUR coatings?

- **Reliable protection:** PUR coatings provide excellent protection against corrosion, abrasion, impacts, and aggressive chemicals. They are resistant to petroleum products and high temperatures.
- **Rapid curing:** dust-dry in as little as 1 minute - full strength in 120 hours.
- **Compliance with standards:** Our coatings meet the stringent standards of PN-EN 10290, DIN 30671, and DIN 30677, guaranteeing the highest quality and durability.
- **Application:** PUR coatings are used in many industries, including the water and sewage, chemical, food, pharmaceutical, and energy industries.

Najczęściej zabezpieczamy:

- fittings
- tanks
- pipes

How do we work?

We use modern technology of airless hot spraying, which ensures even coating thickness (min. 600 micrometers) and excellent adhesion to the substrate.

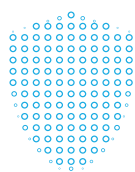
The entire technological process, from surface preparation to final finishing, is carried out in our production plant in Szamotuły.

Why choose RADIUS AEON?

- **Experience:** Our company has many years of experience in the industry, which translates into the high quality of services provided.
- **Technology:** We use the latest technologies and equipment, which allows us to achieve excellent, repeatable results.
- **Quality:** We guarantee the highest quality of our services, confirmed by certificates.



- **Comprehensive:** We offer comprehensive services, from surface preparation, through coating application, to quality control.



Need extra protection for your products?

Contact us!

poland@aeon-online.com

+48 667 400 816

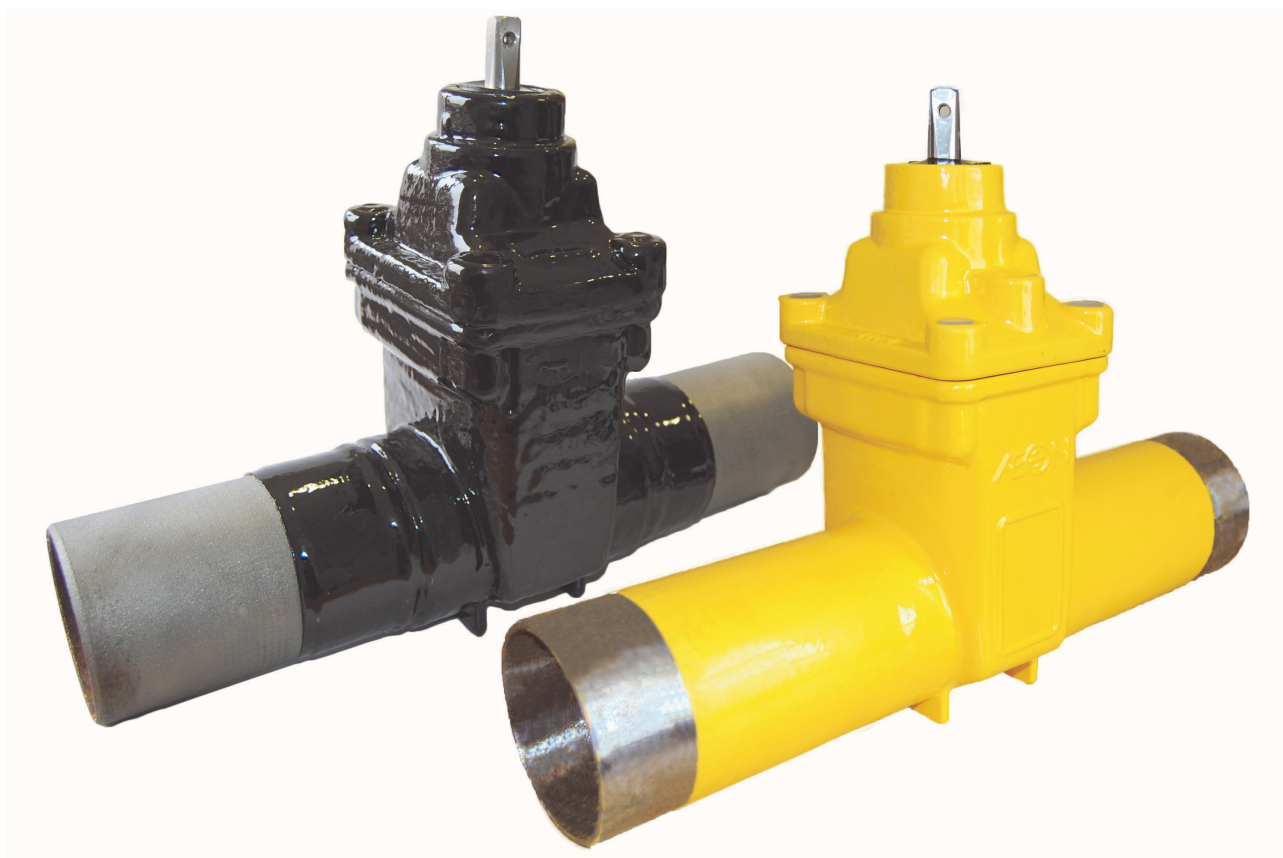
Application method:	airless hot spray
Layer thickness:	up to 1.0 mm on vertical surfaces
Minimum coat thickness:	600 µm
Pot life of the mixture:	40 s, at 60°C (approximately)
Application temperature:	substrate >10°C component A: from 50°C to 80°C component B: from 40°C to 60°C

Curing time:	at 20°C	at 90°C
Dust dry after approx.	10 min.	< 1 min.*
Application (storage) after approx.	8 h	at 90°C **

Full resistance to mechanical and chemical loads:	after 5 days
Operating temperature range without mechanical stress:	from -30°C to 80°C Up to 110°C for a short time
Hardness in Shore D degrees: according to DIN 53 505:	74 + 3 **
Cleaning material:	solvent B or G

* after cooling the coating below 30°C

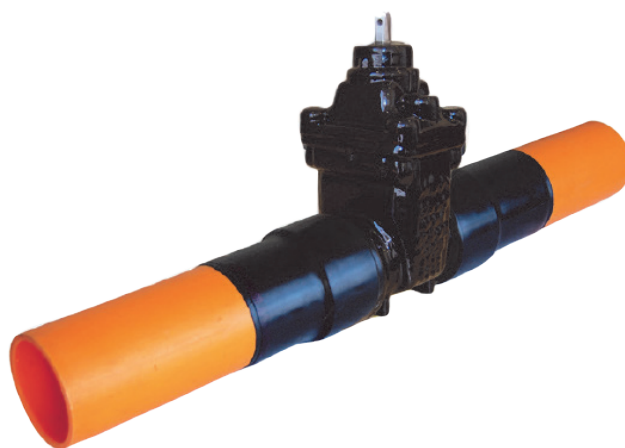
** after complete completion of the curing reaction



Colors*	
light ivory approx.	RAL 1015
light ivory approx.	RAL 5919
Reseda green approx.	RAL 6011
Feh grey approx.	RAL 7000
Agate grey approx.	RAL 7038
Graphite black approx.	RAL 9011

* other colors available on request

Property		Unit	Value
Density	A	gram/cm ³	1,7
	B	gram/cm ³	1.2
Volume ratio	Weight ratio		82/18
	Volume ratio		35/1
Max. thickness of a single layer on a vertical surface		mm	1.0
Application temperature	surface	°C	>10
	mixture	°C	50÷80
Curing time at 20°C	state dust dry hours	godz.	1/6
	full strength hours	godz.	8
	full strength hours	godz.	120
Continuous operating temperature	normal operation	°C	-30÷80
	short-term	°C	110
Hardness		Shore degrees	75



CONTACT US



Aeon International (Europe) Sp. o. o.

ul. Powstanców Wlkp. 97
64-500 Szamotuły

Export Manager Magdalena Majchrzak

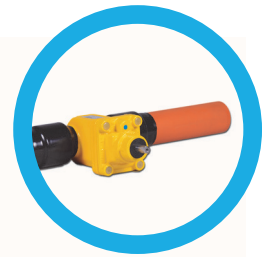
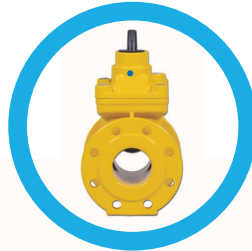
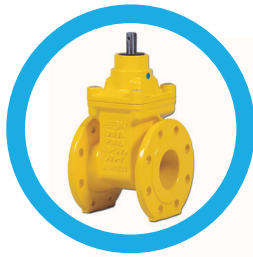
 48 663 827 788

 magdalena.majchrzak@aeon-online.com



RADIUS

AEON



AEON
PART OF THE RADIUS GROUP

DVGW
CE

E111714 Class 1 2797

TS -10°C +10°C
WOP 10 bar
PT 20 bar
F80R

WEIGHT 17.9kg
TURNO 11.5
PART A20273
S/N 000253
YEAR 2024 5

OUR values



Ecological Management



**Conservation of biodiversity
and water resources**



**Protection of waters from
plastic pollution**



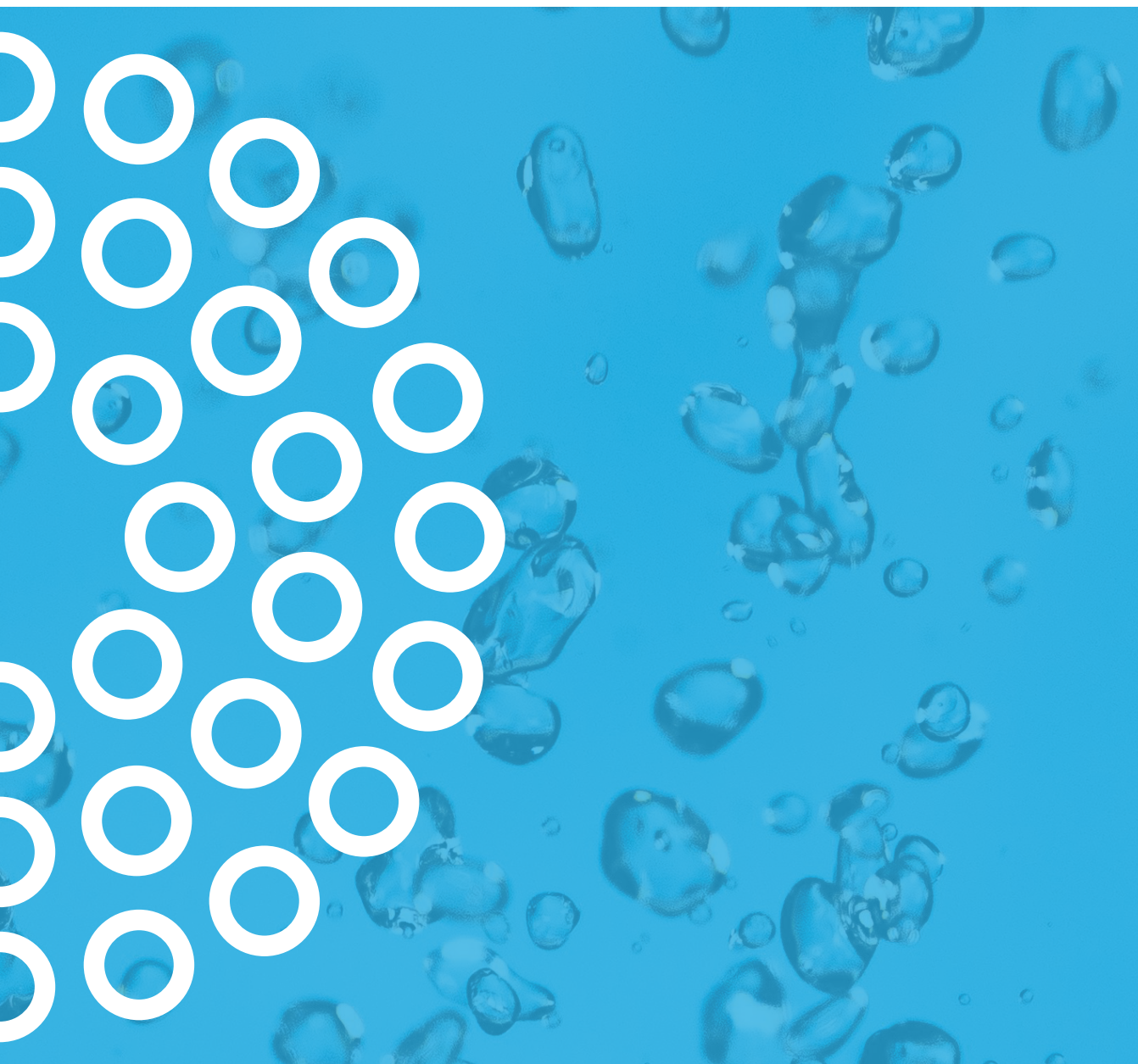
**Raising ecological
awareness**



**Striving for a zero-waste
economy based on 100%
renewable energy**



RADIUS
AEON



Aeon International (Europe) Sp. o. o.

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District Court in Poznań - Nowe Miasto i Wilda in Poznań,
9th Commercial Division
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Share Capital: PLN 2,950,000
VAT identification number: PL5252396951
National Business Registry Number (REGON): 141002656

