



PN 10/16 - DN 50...2000

KAT-A 5024

Product characteristics and benefits

- Designed to join pipes of the same outside diameter
- Couplings up to 324mm OD are delivered pre-assembled, larger sizes are delivered ready for site assembly.

Materials

- Sleeve: DN 50...125 ductile iron EN-GJS 400-15 (GGG-40), DN 150...2000 rolled steel
- End rings: Ductile iron EN-GJS 400-15 (GGG-40)
- Seals: EPDM
- Threaded anchor bolts: 4.8 electro galvanized

Corrosion protection

- Internally and externally epoxy coated

Versions

- With 316 stainless-steel anchor bolts
- NBR and other sealing materials on request

Field of application

- Underground installation
- Chamber installation
- Installation in plants



Tests and approvals

- WRAS tested and registered
- Certified non toxic elastomers and coatings for use on potable water distribution systems in accordance with BS 6920 (WRAS approved)
- Manufactured in accordance with AWWA C 219

Note

For proper installation and safe operation please follow the installation and operation instructions:

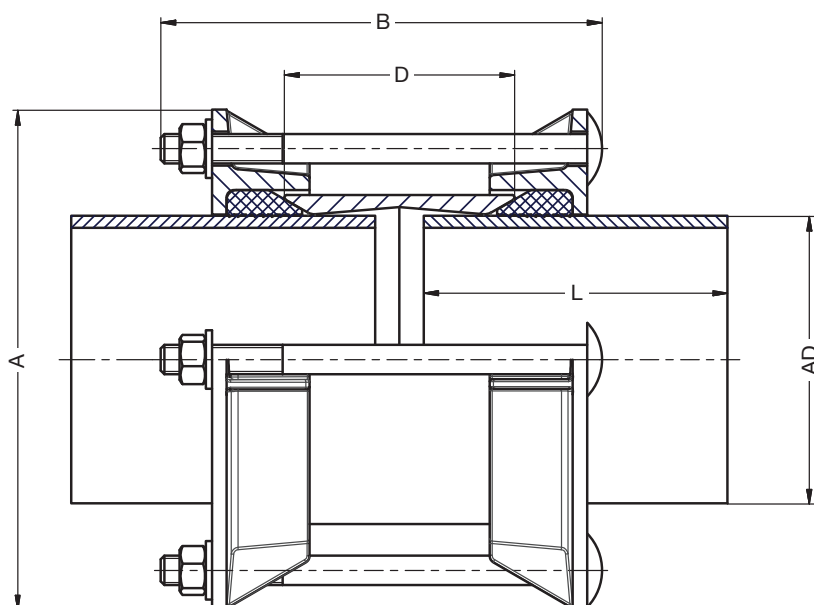
“Installation and Operating Instructions for Valves”

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...2000	10	10	60
50...2000	16	16	60



Drawing



Technical data

PN 10

DN		50	65	80	100	125	150	150	200	225	250	250	300
AD min.	[mm]	59.5	75.3	88.1	113.5	138.1	163.5	166.7	217.5	242.9	265.4	271.4	322.3
AD max.	[mm]	61.1	76.9	89.7	115.1	141.3	166.7	169.9	220.7	246.1	268.6	274.6	325.5
A	[mm]	134	150	158	174	220	246	246	308	338	360	364	414
B	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
D	[mm]	83	102	102	102	102	102	102	102	102	102	102	102
L Pipe end pre- paration	[mm]	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100
Weight approx.	[kg]	2.2	2.7	3.3	4	6.1	5.4	5.4	7.9	10	11	12	12

PN 10

DN		350	400	450	500	550	600	650	700	750	800	850	900
AD min.	[mm]	354	404.8	455.4	506.4	557.4	608	658.4	709.6	760.4	811.2	862.4	912.8
AD max.	[mm]	357.2	408	458.6	509.6	560.6	611.2	661.6	712.8	763.6	814.4	865.6	916
A	[mm]	458	509	559	610	661	712	762	814	864	915	966	1017
B	[mm]	262	262	262	262	262	262	262	262	262	262	262	262
D	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
L Pipe end pre- paration	[mm]	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150
Weight approx.	[kg]	28	31	36	40	43	46	49	54	58	61	65	69

PN 10

DN		950	1000	1050	1100	1200	1200	1400	1400	1500	1600	1600	1800
AD min.	[mm]	963.4	1014.4	1065.4	1116.4	1217.4	1233.4	1418.4	1420.4	1518.4	1617	1623	1817
AD max.	[mm]	966.6	1017.6	1068.6	1119.6	1220.6	1236.6	1421.6	1423.6	1521.6	1623	1629	1823
A	[mm]	1067	1118	1169	1220	1335	1351	1536	1538	1636	1736	1742	1936
B	[mm]	262	262	262	262	262	262	262	262	262	262	262	262
D	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
L Pipe end pre- paration	[mm]	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	160 - 160	150 - 150
Weight approx.	[kg]	73	76	79	84	121	123	140	140	150	160	160	178



Technical data

PN 10

DN		1800	2000
AD min.	[mm]	1826	2017
AD max.	[mm]	1832	2023
A	[mm]	1945	2134
B	[mm]	262	262
D	[mm]	178	178
L Pipe end preparation	[mm]	150 - 150	150 - 150
Weight approx.	[kg]	179	-

PN 16

DN		50	65	80	100	125	150	150	200	225	250	250	300
AD min.	[mm]	59.5	75.3	88.1	113.5	138.1	163.5	166.7	217.5	242.9	265.4	271.4	322.3
AD max.	[mm]	61.1	76.9	89.7	115.1	141.3	166.7	169.9	220.7	246.1	268.6	274.6	325.5
A	[mm]	134	150	158	174	220	246	246	308	338	360	364	414
B	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
D	[mm]	83	102	102	102	102	102	102	102	102	102	102	102
L Pipe end preparation	[mm]	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100	100 - 100
Weight approx.	[kg]	2.2	2.7	3.3	4	6.1	5.4	5.4	7.9	10	11	12	12

PN 16

DN		350	400	450	500	550	600	650	700	750	800	850	900
AD min.	[mm]	354	404.8	455.4	506.4	557.4	608	658.4	709.6	760.4	811.2	862.4	912.8
AD max.	[mm]	357.2	408	458.6	509.6	560.6	611.2	661.6	712.8	763.6	814.4	865.6	916
A	[mm]	458	509	559	610	661	712	762	814	864	915	966	1017
B	[mm]	262	262	262	262	262	262	262	262	262	262	262	262
D	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
L Pipe end preparation	[mm]	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150
Weight approx.	[kg]	28	31	36	40	43	46	49	54	58	61	65	69

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AD max.	[mm]	966.6	1017.6	1068.6	1119.6	1220.6	1236.6	1421.6	1423.6	1521.6	1623	1629	1823
A	[mm]	1067	1118	1169	1220	1335	1351	1536	1538	1636	1736	1742	1936
B	[mm]	262	262	262	262	262	262	262	262	262	262	262	262
D	[mm]	178	178	178	178	178	178	178	178	178	178	178	178
L Pipe end preparation	[mm]	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	150 - 150	160 - 160	150 - 150
Weight approx.	[kg]	73	76	79	84	121	123	140	140	150	160	160	178

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AD min.	[mm]	1826	2017
AD max.	[mm]	1832	2023
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L Pipe end preparation	[mm]	150 - 150	150 - 150
Weight approx.	[kg]	179	-