



OMEAX

Plastic valves

Your worldwide partner for industrial valves & fittings

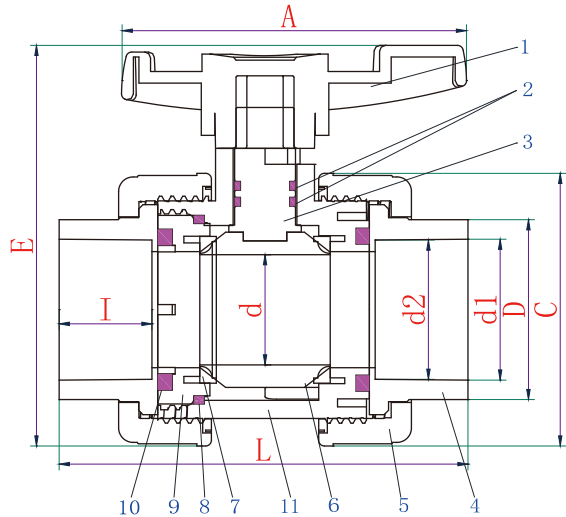
NO.	PART	MATERIAL	Q'TY
1	HANDLE	UPVC,ABS	1
2	STEM O-RING	EPDM,FPM	2
3	STEM	UPVC,CPVC	1
4	END CONNECTOR	UPVC,CPVC	2
5	UNION NUT	UPVC,CPVC	2
6	BALL	UPVC,CPVC	1
7	SEAT SEAL	TPV,PTFE	2
8	CARRIER O-RING	EPDM,FPM	1
9	CARRIER	UPVC,CPVC	1
10	UNION O-RING	EPDM,FPM	2
11	BODY	UPVC,CPVC	1

JOINT END: SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)

WORK PRESSURE: 1/2"-2" PN16=232PSI
2 1/2"-4" PN10=150PSI



The products meet the requirements
of NSF/ANSI/CAN 61 - Drinking Water
System Components - Health Effects.
(1/2 "-4")



ITEM NO.	SIZE	I	d1	d2	d	C	E	A	L	D
T2016	16	14	16.3	15.9	15.5	54.5	77	67.7	81	24
T2020	20	16.5	20.3	20	15.5	54.5	77	67.7	81	28.85
T2025	25	19.5	25.3	25	20.5	59	89.0	76.7	92	34.9
T2032	32	22.0	32.3	32	25.3	68.7	103.3	86.4	104.8	43.2
T2040	40	26.4	40.4	40	29.1	89	118	101.4	122.2	51.9
T2050	50	31.5	50.3	49.9	38.7	93.9	138.4	118.8	143.2	61.9
T2063	63	38.4	63.5	62.9	48.7	115.5	165.2	145.6	173.1	75.1
T2075	75	41.7	75.5	74.9	58.4	138.8	193.5	178.3	209	88.4
T2090	90	51.5	90.55	89.85	73.5	167.7	228.5	209.8	244.3	106
T2110	110	60.7	110.6	109.9	97.3	210	277	247.6	285.4	130.3



ITEM NO.	T2016	T2020	T2025	T2032	T2040	T2050	T2063	T2075	T2090	T2110
SIZE	16	20	25	32	40	50	63	75	90	110



ITEM NO.	T1016	T1020	T1025	T1032	T1040	T1050	T1063	T1075	T1090	T1110
SIZE	16	20	25	32	40	50	63	75	90	110



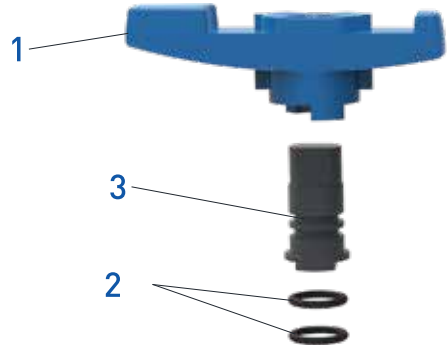
ITEM NO.	T202045	T202545	T203245	T204045	T205045	T206345
SIZE	1/2 "	3/4 "	1 "	1-1/4 "	1-1/2 "	2 "



ITEM NO.	T202051	T202551	T203251	T204051	T205051	T206351	T207551	T209051	T211051
SIZE	20	25	32	40	50	63	75	90	110



ITEM NO.	T27206A	T27256A	T27326A	T27406A	T27506A	T27636A
SIZE	38×32/20	38×32/25	38×32/32	38×32/40	38×32/50	38×32/63



Designed for easy installation and maintance
Chemical and corrosion resistant, color UV
stabilized
TPV seals with O-ring gives cushioning effect
that ensures leakage free and low fixed torque



SINGLE UNION BALL VALVE

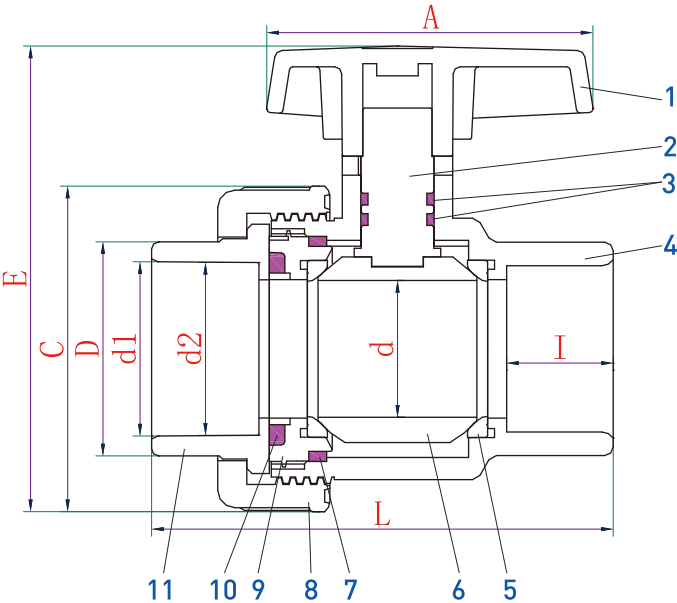
NO.	PART	MATERIAL	Q'TY
1	HANDLE	UPVC,ABS	1
2	STEM	UPVC,CPVC	1
3	STEM O-RING	EPDM,FPM	2
4	BODY	UPVC,CPVC	1
5	SEAT SEAL	TPV,PTFE	2
6	BALL	UPVC,CPVC	1
7	CARRIER O-RING	EPDM,FPM	1
8	UNION NUT	UPVC,CPVC	1
9	CARRIER	UPVC,CPVC	1
10	UNION O-RING	EPDM,FPM	1
11	END CONNECTOR	UPVC,CPVC	1

JOINT END: SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)

WORK PRESSURE: 1/2"-2" PN16=232PSI
2 1/2"-4" PN10=150PSI



The products meet the requirements
of NSF/ANSI/CAN 61 - Drinking Water
System Components - Health Effects.
(1/2 "-4")



ITEM NO.	SIZE	I	d1	d2	d	C	E	A	L	D
S2020	20	16.65	20.3	20	15.1	54	75.5	60.2	76.3	28.8
S2025	25	18.6	25.3	25	20.1	59.3	86.0	67.1	86.5	34.8
S2032	32	22.7	32.3	32	25.3	68.3	99.4	74.6	98.4	43
S2040	40	26.8	40.4	40	28.9	89	115.4	84.6	113.3	52
S2050	50	30.9	50.3	49.9	38.8	94.1	134.5	94.2	139.8	62.2
S2063	63	39.5	63.5	62.9	48.6	115.5	163	109.3	165.3	75.3
S2075	75	41.8	75.5	74.9	58.7	138.3	188	125.5	198.5	88.6
S2090	90	51.7	90.55	89.85	73.5	168	225	139	230.9	106.1
S2110	110	60.2	110.6	109.9	97.5	210.2	270	158.7	275.6	130.8

SINGLE UNION BALL VALVE



ITEM NO.	S2020	S2025	S2032	S2040	S2050	S2063	S2075	S2090	S2110
SIZE	20	25	32	40	50	63	75	90	110



ITEM NO.	S3020	S3025	S3032	S3040	S3050	S3063	S3075	S3090	S3110
SIZE	20	25	32	40	50	63	75	90	110

ITEM NO.	S202045	S202545	S203245	S204045	S205045	S206345
SIZE	1/2 "	3/4 "	1 "	1-1/4 "	1-1/2 "	2 "

ITEM NO.	S302051	S302551	S303251	S304051	S305051	S306351	S307551	S309051	S311051
SIZE	20	25	32	40	50	63	75	90	110

ITEM NO.	S37206A	S37256A	S37326A	S37406A	S37506A	S37636A
SIZE	38×32/20	38×32/25	38×32/32	38×32/40	38×32/50	38×32/63



Designed for easy installation and maintance
Chemical and corrosion resistant, color UV
stabilized
TPV seals with O-ring gives cushioning effect
that ensures leakage free and low fixed torque

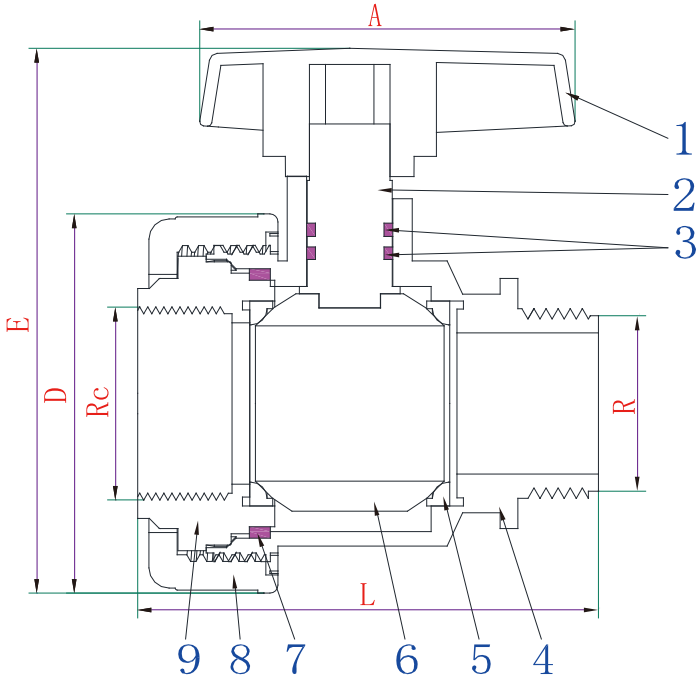
IRRIGATION BALL VALVE F×M

NO.	PART	MATERIAL	Q'TY
1	HANDLE	UPVC	1
2	STEM	UPVC	1
3	STEM O-RING	EPDM	2
4	BODY	UPVC	1
5	SEAT SEAL	TPV	2
6	BALL	UPVC	1
7	CARRIER O-RING	EPDM	1
8	UNION NUT	UPVC	1
9	CARRIER	UPVC	1

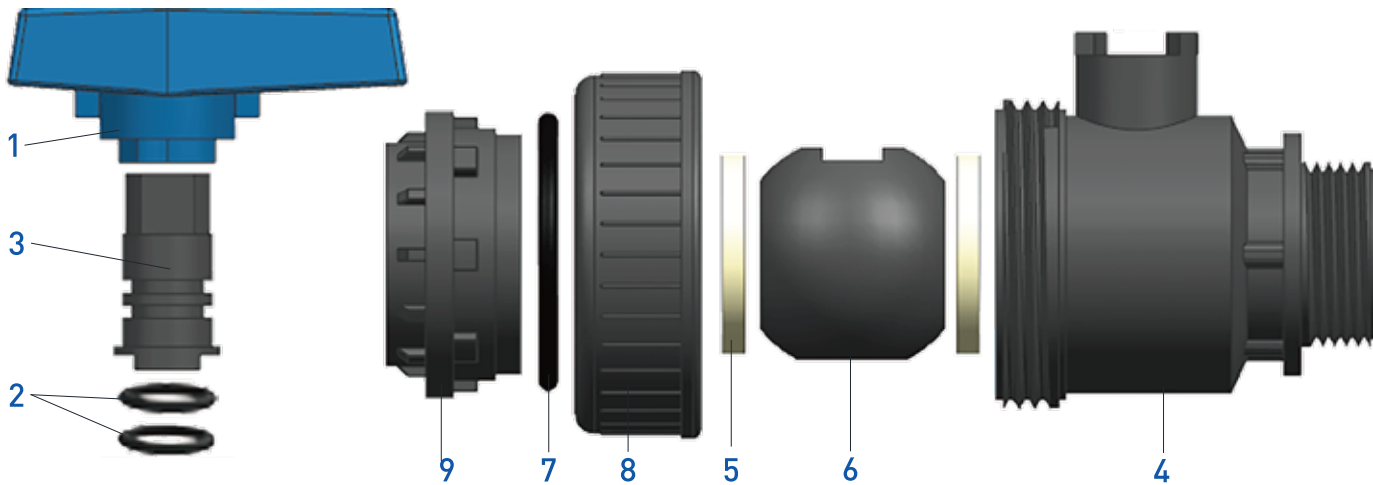


JOINT END:THREAD(BSPT/NPT)

WORK PRESSURE:1/2"-4" PN10=150PSI



ITEM NO.	SIZE	d	C	E	A	L
B1020	1/2"	15.2	54.4	75.2	60.2	71.2
B1025	3/4"	19.7	59.6	87.3	66.9	80.8
B1032	1"	24.9	68	100.3	74.8	92
B1040	1-1/4"	29.8	79.1	115.1	84.5	107.5
B1050	1-1/2"	38.3	93.9	134.2	94.3	116.1
B1063	2"	48.5	116	160.9	109.2	143.7
B1075	2-1/2"	59	139	189.3	125	168.5
B1090	3"	71.2	167.2	219	139	204
B1110	4"	97.4	203.3	266.8	158.7	250



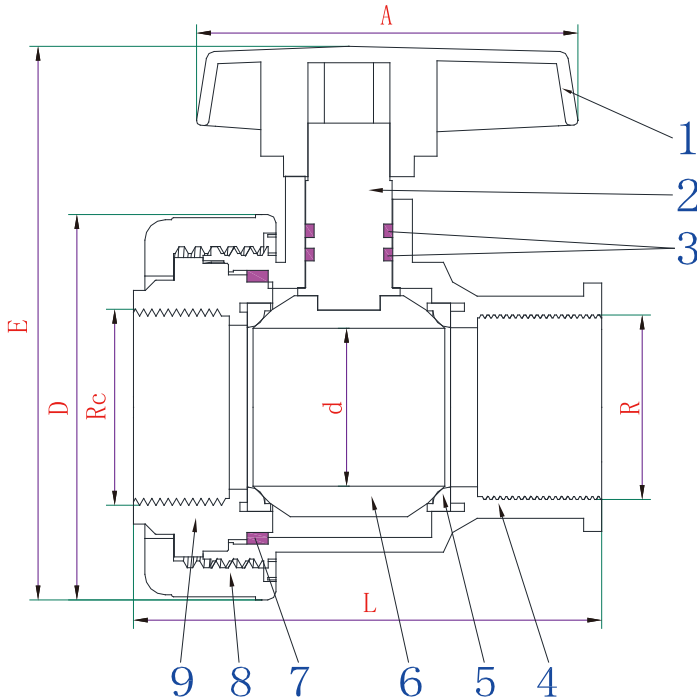
IRRIGATION BALL VALVE F×F

NO.	PART	MATERIAL	Q'TY
1	HANDLE	UPVC	1
2	STEM	UPVC	1
3	STEM O-RING	EPDM	2
4	BODY	UPVC	1
5	SEAT SEAL	TPV	2
6	BALL	UPVC	1
7	CARRIER O-RING	EPDM	1
8	UNION NUT	UPVC	1
9	CARRIER	UPVC	1



JOINT END:THREAD(BSPT/NPT)

WORK PRESSURE:1/2"-4" PN10=150PSI



ITEM NO.	SIZE	d	C	E	A	L
B3020	1/2"					
B3025	3/4"					
B3032	1"	25.4	68.7	100.3	74.7	95.7
B3040	1-1/4"					
B3050	1-1/2"	38.8	94	134.4	94.4	114.6
B3063	2"	48.8	115.7	160.1	109.1	131.7
B3075	2-1/2"	59	139	189.3	125	164.4
B3090	3"	70.9	167	220.6	139	186
B3110	4"	93.8	210.2	270	158	226.4

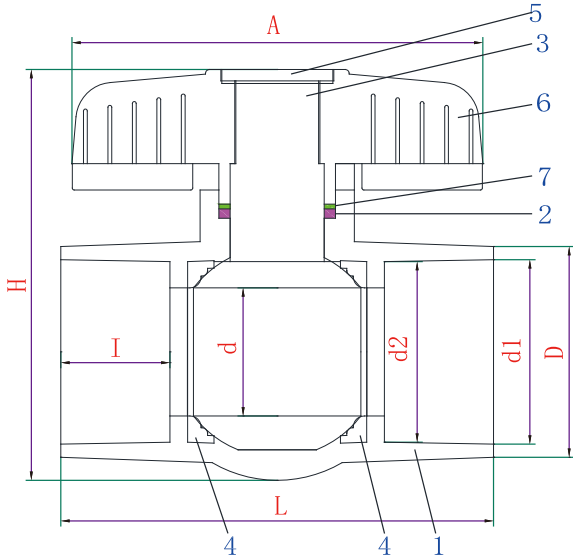
The main field of application is irrigation.
It can be used in extremely harsh working environments such as chemical corrosion media.
Make irrigation more scientific, economic, convenient, improve the management level.

COMPACT BALL VALVE

JOINT END: SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE: 1/2"-2" PN16=232PSI
2 1/2"-4" PN10=150PSI



The products meet the requirements of NSF/ANSI/CAN 61 - Drinking Water System Components - Health Effects. (1/2 "-4")



NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC,CPVC	1
2	STEM O-RING	EPDM,FPM	1
3	BALL & STEM	UPVC,CPVC	1
4	SEAT SEAL	TPV	2
5	CAP	UPVC,ABS	1
6	HANDLE	UPVC,ABS	1
7	RETAINER	PP	1

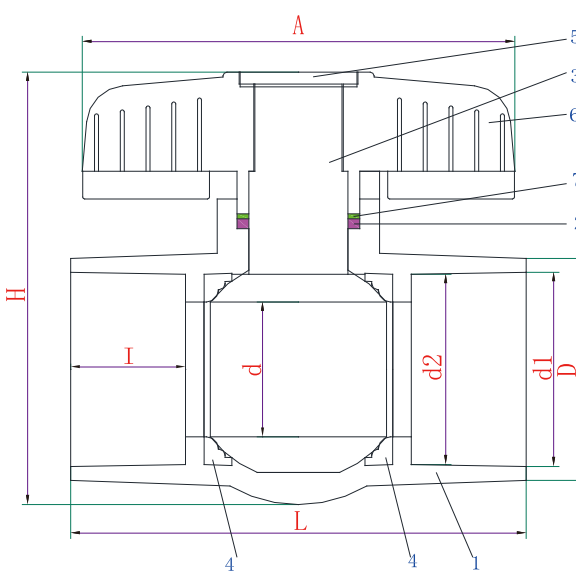
ITEM NO.	SIZE	I	d1	d2	d	H	A	L	D
H1016	16	18.4	16.3	16	12	51.6	59	64.4	23.2
H1020	20	22.1	20.3	20	15	62.1	67.9	77.6	32.1
H1025	25	26.0	25.3	25	19	72.6	80	91	37.1
H1032	32	28.5	32.3	32	23.4	88	93.6	106.1	44.1
H1040	40	32.6	40.4	40	29.6	102.7	100	120	51.8
H1050	50	36.0	50.3	49.9	33.5	112.1	110	131.5	59.8
H1063	63	38.5	63.5	62.9	44.4	133	136.4	151.4	75
H1075	75	46.5	75.5	74.9	54	152.5	192	182.5	90.7
H1090	90	48.0	90.55	89.85	70.6	182	221.8	209.1	105
H1110	110	60.3	110.6	109.9	84	213.2	250.1	252.5	130

OCTAGONAL BALL VALVE

JOINT END: SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE: 1/2"-2" PN16=232PSI
2 1/2"-4" PN10=150PSI



The products meet the requirements of NSF/ANSI/CAN 61 - Drinking Water System Components - Health Effects. (1/2 "-4")



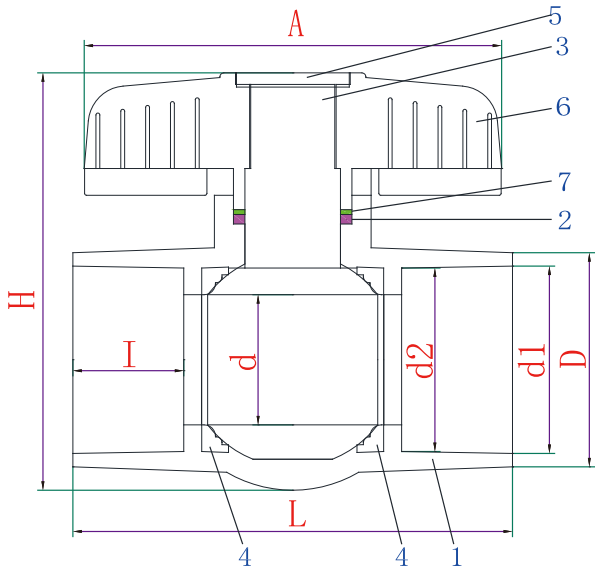
NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC,CPVC	1
2	STEM O-RING	EPDM,FPM	1
3	BALL & STEM	UPVC,CPVC	1
4	SEAT SEAL	TPV	2
5	CAP	UPVC,ABS	1
6	HANDLE	UPVC,ABS	1
7	RETAINER	PP	1

ITEM NO.	SIZE	I	d1	d2	d	H	A	L	D
G1020	20	20	20.3	20	15	62.2	67.9	71.5	32.5
G1025	25	24.2	25.3	25	19	72.3	79.8	85.1	37
G1032	32	26.1	32.3	32	24	88.5	93.2	99.7	44.6
G1040	40	27.5	40.4	40	29.9	103.1	99.7	108.6	54
G1050	50	31.3	50.3	49.9	34	112.6	109.9	119.9	60
G1063	63	35.9	63.5	62.9	45	132	136.3	145.7	77
G1075	75	39.4	75.5	74.9	55.1	153.2	192.1	169.1	93
G1090	90	48.4	90.55	89.85	70.6	181.5	222.6	209.2	93.9
G1110	110	60.7	110.6	109.9	84	212.6	254.4	247	135.1

JOINT END: SOCKET(ANSI/DIN/JIS/CNS/BS)
WORK PRESSURE: 1/2"-2" PN10=150PSI



The products meet the requirements of NSF/ANSI/CAN 61 - Drinking Water System Components - Health Effects. (1/2 "-4")



NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC,CPVC	1
2	STEM O-RING	EPDM,FPM	1
3	BALL & STEM	UPVC,CPVC	1
4	SEAT SEAL	TPV	2
5	CAP	UPVC,ABS	1
6	HANDLE	UPVC,ABS	1
7	RETAINER	PP	1

ITEM NO.	SIZE	I	d1	d2	d	H	A	L	D
H3020	20	22.1	20.3	20	15	62.1	67.9	77.6	32.1
H3025	25	26.0	25.3	25	19	72.6	80	91	37.1
H3032	32	28.5	32.3	32	23.4	88	93.6	106.1	44.1
H3040	40	32.6	40.4	40	29.6	102.7	100	120	51.8
H3050	50	36.0	50.3	49.9	33.5	112.1	110	131.5	59.8
H3063	63	38.5	63.5	62.9	44.4	133	136.4	151.4	75

PRODUCT ADVANTAGES

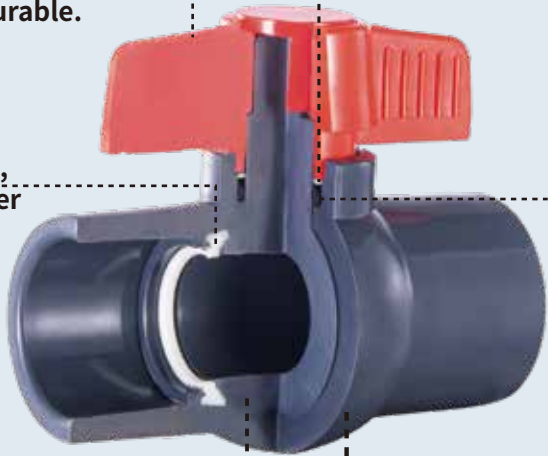


Does not flex,solid,anti-aging,more durable.



Wear resistance.

Chemical resistance,recyclable,deformation resistance, weather resistance.



Chemical resistance.Good compressive deformation, anti-aging.



Chemical resistance, anti-aging, stronger solid stem.

SCH80 Standard design.



- Compact and Lightweight Design
- Low Torque Easy 1/4-Turn Operation
- PACREL (TPV)Seats
- EPDM O-Ring Seals
- No Internal Parts to Replace



SCH80

ITEM NO.	H1020	H1025	H1032	H1040	H1050	H1063
SIZE	20	25	32	40	50	63



ITEM NO.	H1075	H1090	H1110
SIZE	75	90	110



SCH40

ITEM NO.	H3020	H3025	H3032	H3040	H3050	H3063
SIZE	20	25	32	40	50	63

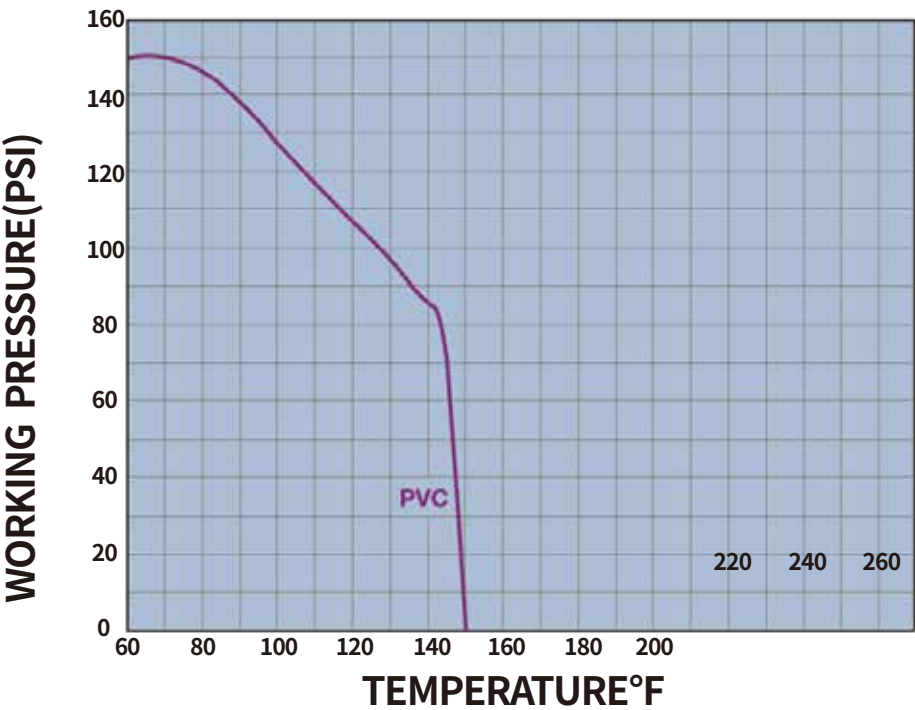


ITEM NO.	G1020	G1025	G1032	G1040	G1050	G1063
SIZE	20	25	32	40	50	63



ITEM NO.	G1075	G1090	G1110
SIZE	75	90	110

OPERATING TEMPERATURE/PRESSURE



PRESSURE LOSS
CALCULATION FORMULA

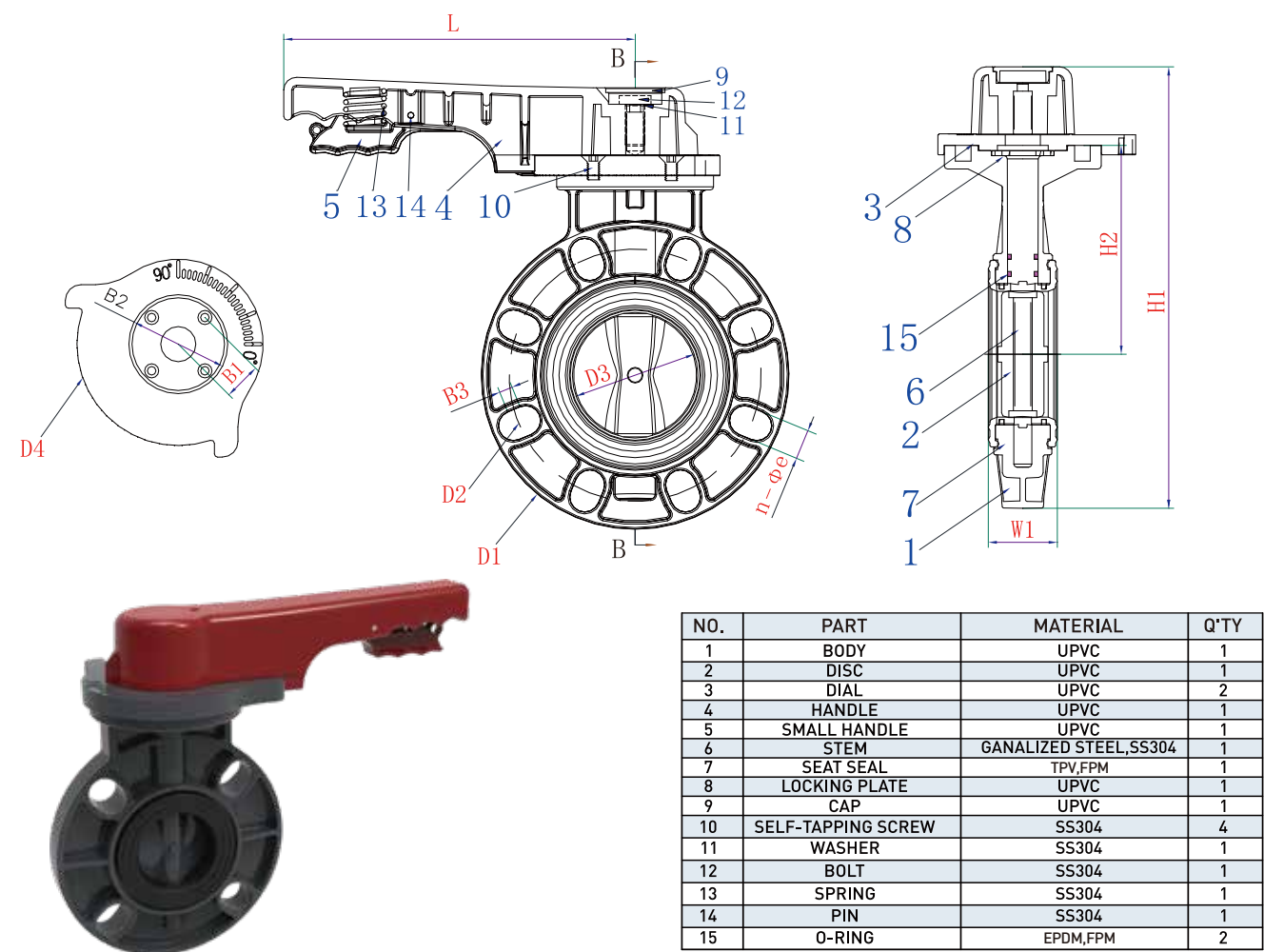
$\Delta P = [Q/Cv]^2$
 ΔP = Pressure Drop
 Q = Flow in GPM
 Cv = Flow Coefficient

DIMENSIONS

SIZE in/DN	d1 in/mm	D in/mm	d in/mm	L in/mm	H in/mm
1/2/15	.83/21	1.24/31	.80/20	2.90/74	1.78/45
3/4/20	1.05/27	1.45/37	.89/23	3.04/77	2.01/51
1/25	1.31/33	1.77/45	1.08/27	4.00/102	2.26/57
1-1/4/32	1.66/42	2.07/53	1.06/27	4.30/109	2.66/68
1-1/2/40	1.90/48	2.49/63	1.14/29	4.80/122	2.91/74
2/50	2.37/60	3.01/76	1.42/36	5.70/145	3.32/84
2-1/2/65	2.87/73	3.54/90	1.80/46	7.20/183	4.07/103
3/80	3.50/89	4.25/108	2.40/61	9.30/236	4.47/114
4/100	4.50/114	5.21/132	2.52/64	10.10/257	4.89/124

BUTTERFLY VALVE

WORK PRESSURE:1 1/2"-8" PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC	1
2	DISC	UPVC	1
3	DIAL	UPVC	2
4	HANDLE	UPVC	1
5	SMALL HANDLE	UPVC	1
6	STEM	GANALIZED STEEL,SS304	1
7	SEAT SEAL	TPV,FPM	1
8	LOCKING PLATE	UPVC	1
9	CAP	UPVC	1
10	SELF-TAPPING SCREW	SS304	4
11	WASHER	SS304	1
12	BOLT	SS304	1
13	SPRING	SS304	1
14	PIN	SS304	1
15	O-RING	EPDM,FPM	2

ITEM NO.	M1063	M1075	M1090	M1110	M1140	M1160	M1200
DN	50	65	80	100	125	150	200
SIZE	2"	2-1/2"	3"	4"	5"	6"	8"
D1	162	180	196	222	258	287	341
D2	128.6	145	160.7	188.7	210	153.6	295.7
D3	53.38	65	80	105	125	153.6	200
D4	108.2	108.2	108.2	108.2	108.2	108.2	108.2
D5	87.9	107.2	120	143	168.6	196.75	244.93
B1	15.4	15.4	15.4	15.4	15.4	15.4	15.4
B2	59	59	59	59	59	59	59
B3	6	8.6	8.5	5.19	9.5	3.05	3.73
L	224	224	224	224	224	332.6	323.6
W1	37.2	43	44	49	64	68.1	88
H1	241	248	281.6	309	370	379.2	433.7
H2	110	123	133	148	167	184.5	212
n-øe	4-20.5	4-20.5	8-19	8-21.5	8-25	8-25	8-24

BUTTERFLY VALVE

Multi tooth design, more durable to support open/off.

TPV seal from well-known supplier to make sure stability of product.

304 Stainless Steel, Chemical Resistance, Precise Beauty, Average Elastic.

Square stem design, CNC lathe, avoid the Disc not move in open/ off.

Disc and body are all CNC lathe to fit well that excellent sealing and soft handle.



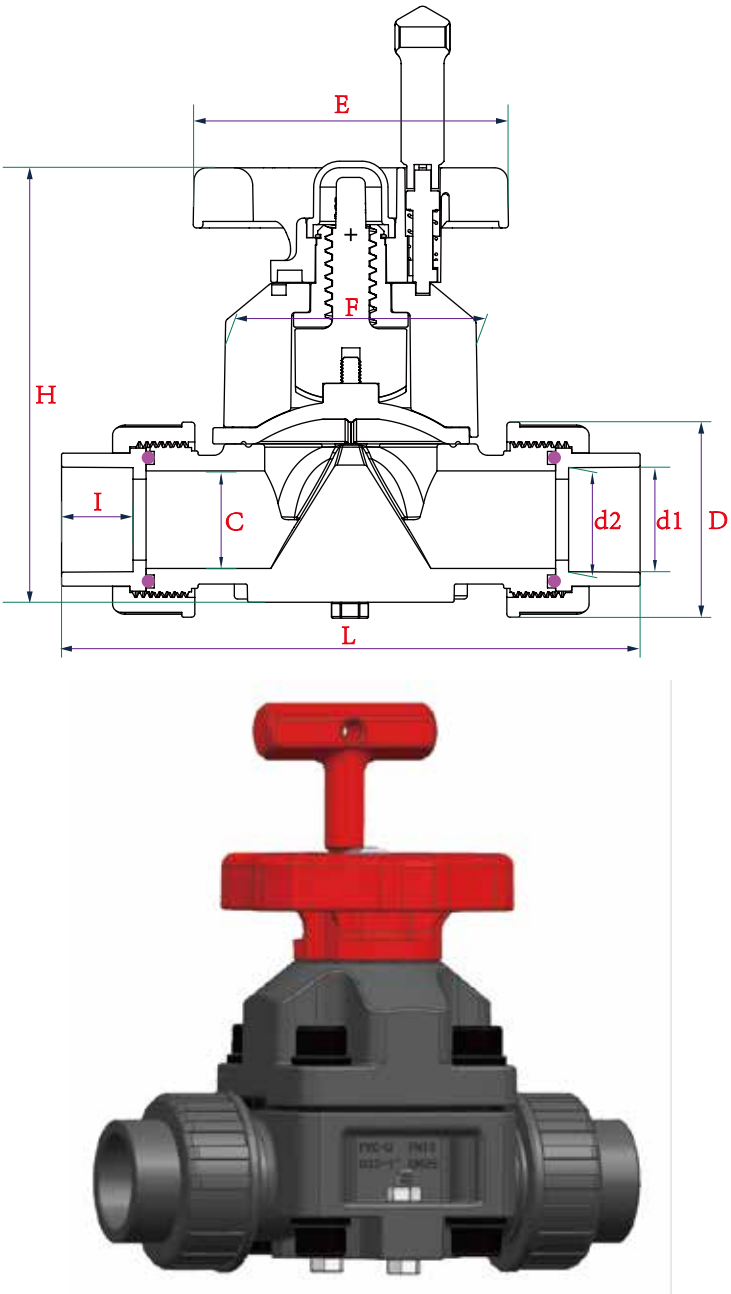
BUTTERFLY VALVE
M1



BUTTERFLY VALVE SET
M1(FLANGED)



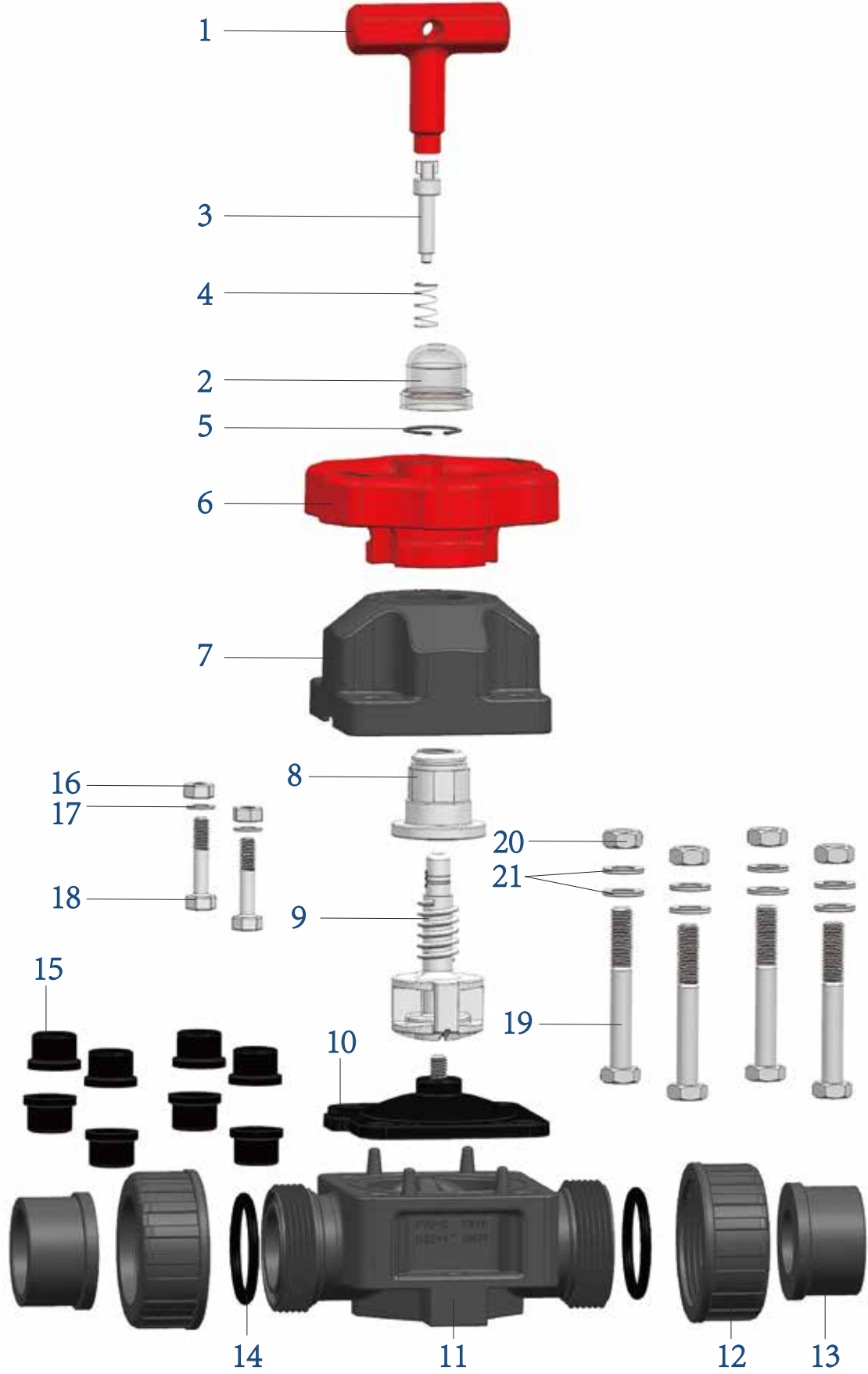
BUTTERFLY VALVE GEAR TYPE
M1-A



JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:1/2"-2" PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	LOCK	UPVC	1
2	GAUGE COVER	PS	1
3	LOCK CYLIDER	ABS	1
4	SPRING	SS304	1
5	CLAMP	ABS	1
6	HAND WHEEL	ABS	1
7	BONNET	UPVC	1
8	SLEEVE	ABS	1
9	STEM	ABS	1
10	DIAPHRAGM	EPDM	1
11	BODY	UPVC	1
12	UNION NUT	UPVC	2
13	END CONNECTOR	UPVC	2
14	O-RING	EPDM	2
15	NUT	PP	8
16	NUT	SS304	2
17	WASHER	SS304	2
18	BOLT	SS304	2
19	BOLT	SS304	4
20	NUT	SS304	4
21	WASHER	SS304	8

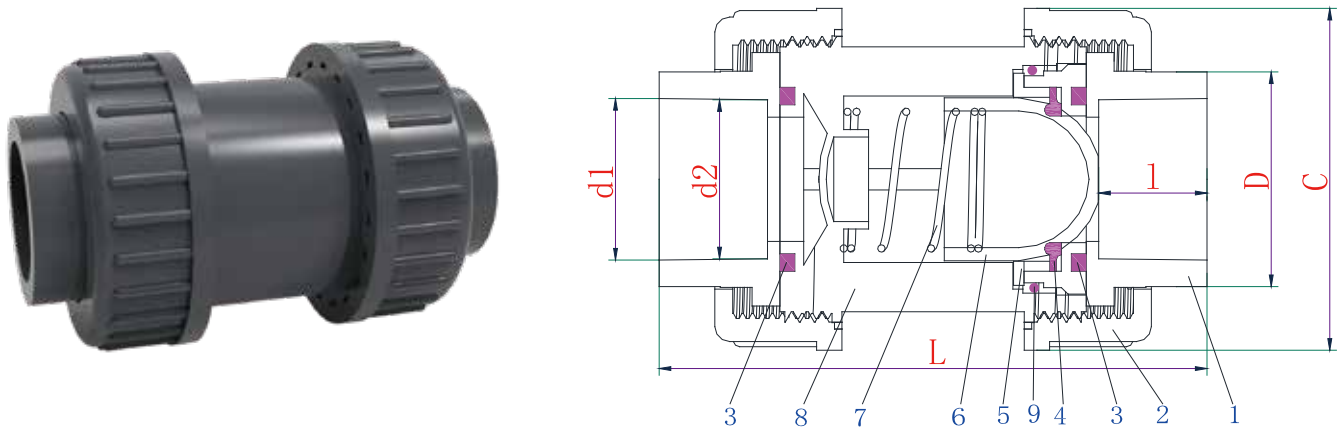
ITEM NO.	SIZE	d1	d2	D	I	C	E	F	H	L
P2020	20	20.3	20	43	16	15	68.4	68.3	118.8	137.8
P2025	25	25.3	25	53	18.5		68.4	68.3	118.8	141.6
P2032	32	32.3	32	60	22	30	96.3	84.6	133.6	178
P2040	40	40.4	40	71.8	26	37.8	96.3	84.6	141.4	193.2
P2050	50	50.5	49.9	85	31	40	113.2	96.3	157	220
P2063	63	63.5	62.9	97.9	37.5		113.2	96.3	157	239.6



DOUBLE UNION CHECK VALVE SPRING TYPE

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN16=232PSI
75 - 110 mm PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	2
2	UNION NUT	UPVC	2
3	O-RING	EPDM	2
4	GASKET	EPDM	1
5	CARRIER	UPVC	1
6	HALF BALL	UPVC	1
7	SPRING	SS304	1
8	BODY	UPVC	1
9	CARRIER O-RING	EPDM	1



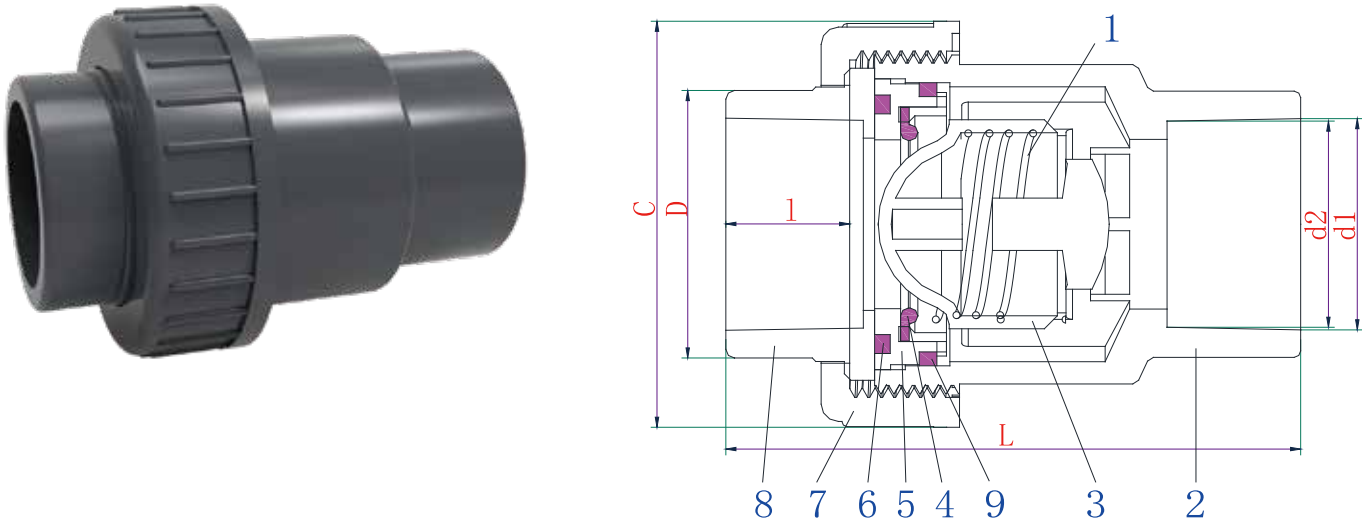
ITEM NO.	SIZE	I	d1	d2	L	D	C
T6016	16	14	16.3	15.9	82.8	24	54.5
T6020	20	16.5	20.3	20	82.8	28.85	54.5
T6025	25	19.5	25.3	25	95.3	34.9	59
T6032	32	22.2	32.3	32	111	43	68.7
T6040	40	26.4	40.4	40	121.8	51.9	79
T6050	50	32.0	50.3	49.9	143.1	61.8	94
T6063	63	38.5	63.5	62.9	171	75.4	117.8
T6075	75	41.7	75.5	74.9	209.2	88.4	138.8
T6090	90	57.8	90.55	89.85	281.3	132.1	172
T6110	110	57.8	110.6	109.9	282	132.1	172

The material itself does not affect the quality of environmental health, buried use will not contaminate the soil, does not affect the quality of transport and storage of water.
Good toughness, suitable for use with water treatment equipment, also used in large water treatment devices.

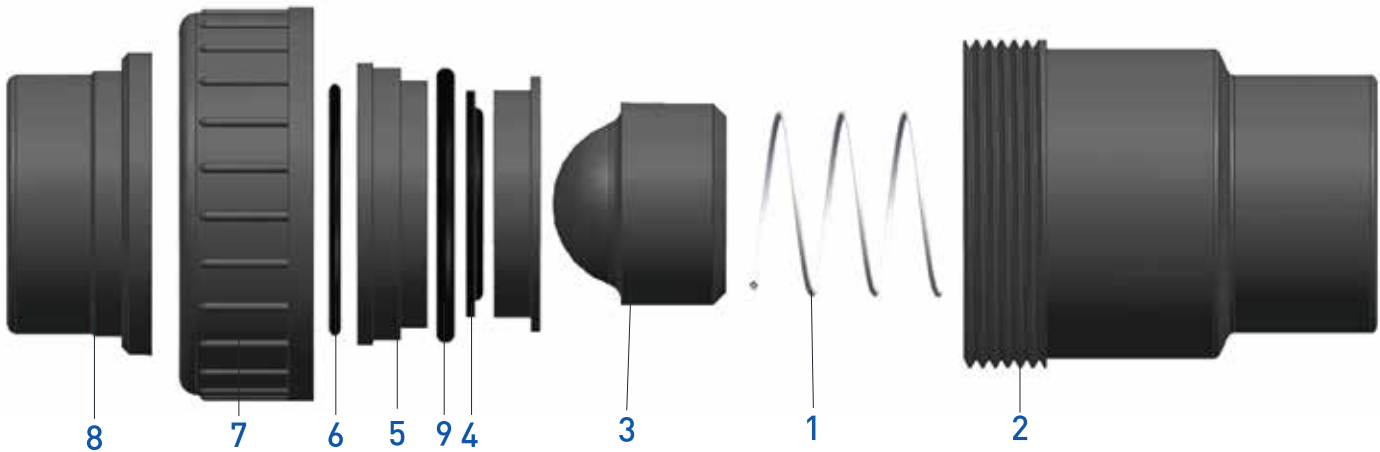
SINGLE UNION CHECK VALVE SPRING TYPE

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:50 - 63 mm PN16=232PSI

NO.	PART	MATERIAL	Q'TY
1	SPRING	SS304	1
2	BODY	UPVC	1
3	HALF BALL	UPVC	1
4	CARRIER GASKET	EPDM	1
5	CARRIER	UPVC	1
6	UNION O-RING	EPDM	1
7	UNION NUT	UPVC	1
8	END CONNECTOR	UPVC	1
9	O-RING	EPDM	1

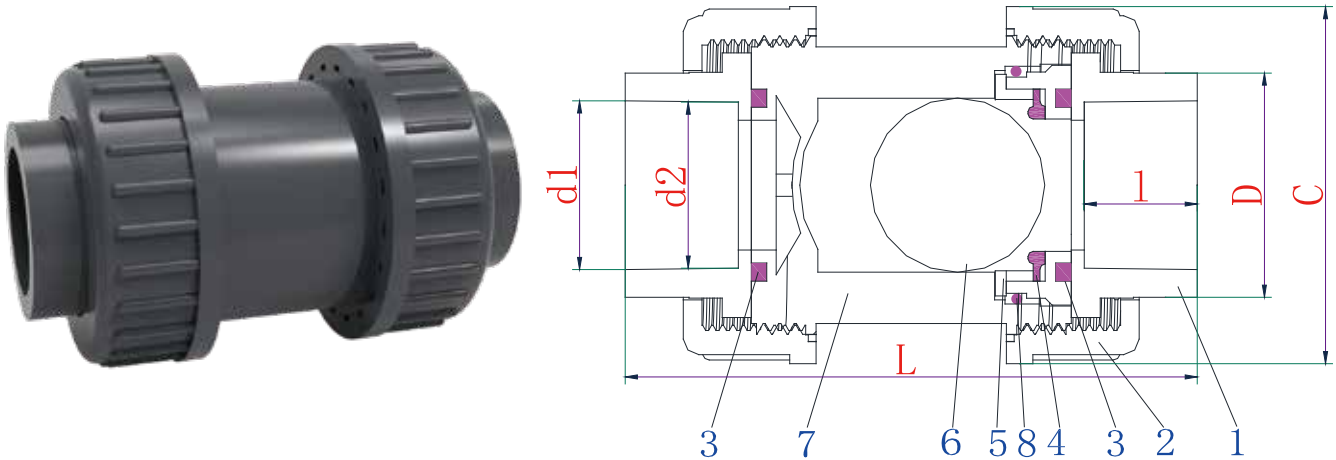


ITEM NO.	SIZE	I	d1	d2	L	D	C
S5050	50	31.5	48.8	48.3	134.8	61.6	94
S5063	63	37.9	60.3	60.1	173	75.3	117.4

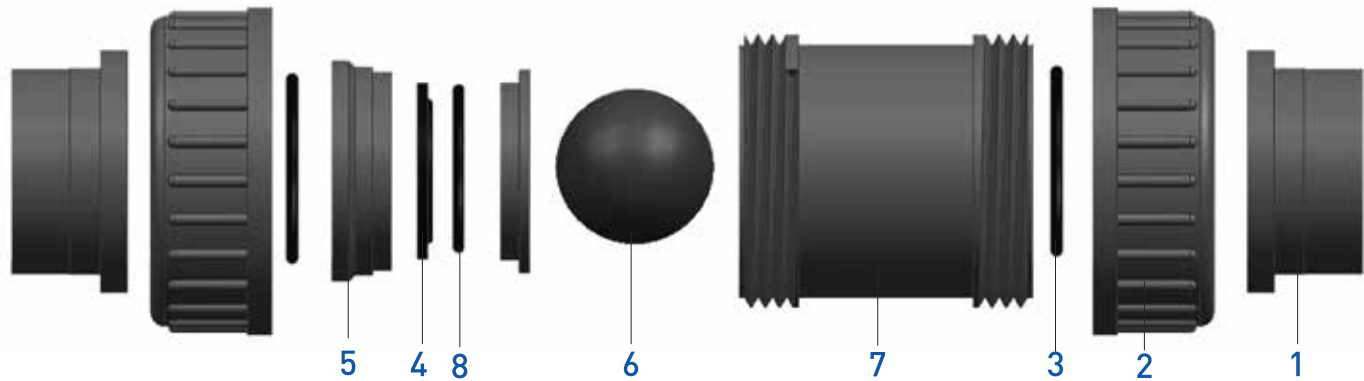


JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN16=232PSI
75 - 110 mm PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	2
2	UNION NUT	UPVC	2
3	O-RING	EPDM	2
4	GASKET	EPDM	1
5	CARRIER	UPVC	1
6	BALL	UPVC	1
7	BODY	UPVC	1
8	CARRIER O-RING	EPDM	1

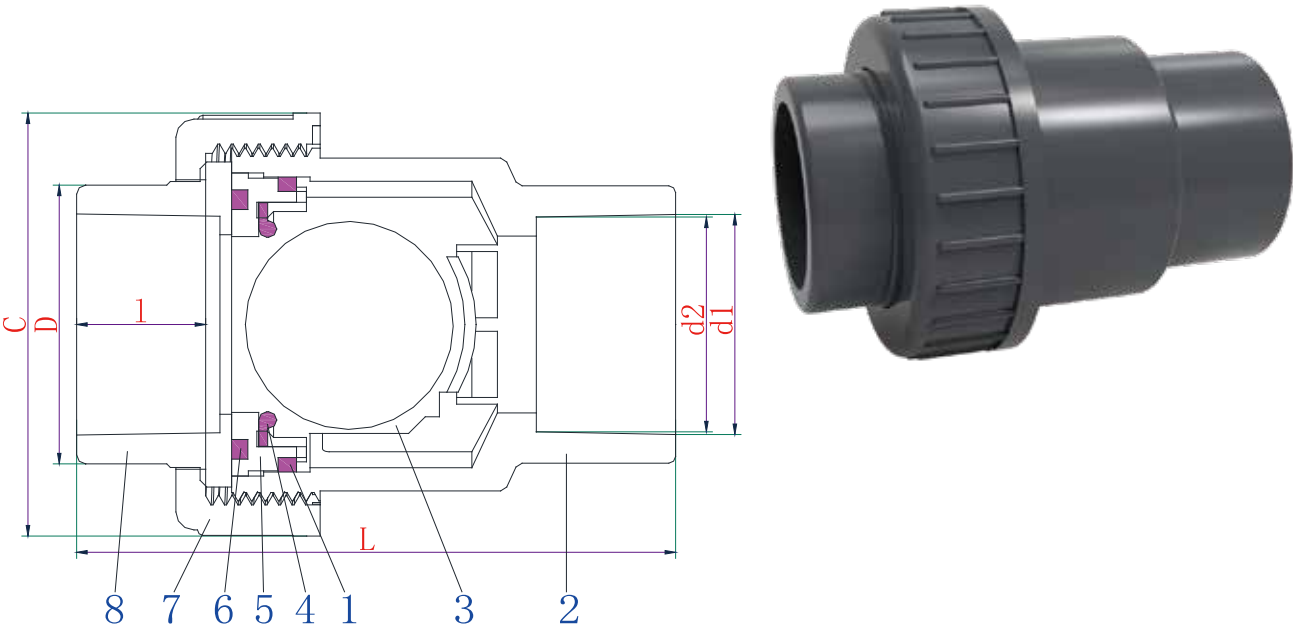


ITEM NO.	SIZE	I	d1	d2	L	D	C
T6016 II	16	14	16.3	15.9	82.8	24	54.5
T6020 II	20	16.5	20.3	20	82.8	28.85	54.5
T6025 II	25	19.5	25.3	25	95.3	34.9	59
T6032 II	32	22.2	32.3	32	111	43	68.7
T6040 II	40	26.4	40.4	40	121.8	51.9	79
T6050 II	50	32.0	50.3	49.9	143.1	61.8	94
T6063 II	63	38.5	63.5	62.9	171	75.4	117.8
T6075 II	75	41.7	75.5	74.9	209.2	88.4	138.8
T6090 II	90	57.8	90.55	89.85	281.3	132.1	172
T6110 II	110	57.8	110.6	109.9	282	132.1	172



JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:50 - 63 mm PN16=232PSI

NO.	PART	MATERIAL	Q'TY
1	CARRIER O-RING	EPDM	1
2	BODY	UPVC	1
3	BALL	UPVC	1
4	CARRIER GASKET	EPDM	1
5	CARRIER	UPVC	1
6	UNION O-RING	EPDM	1
7	UNION NUT	UPVC	1
8	END CONNECTOR	UPVC	1

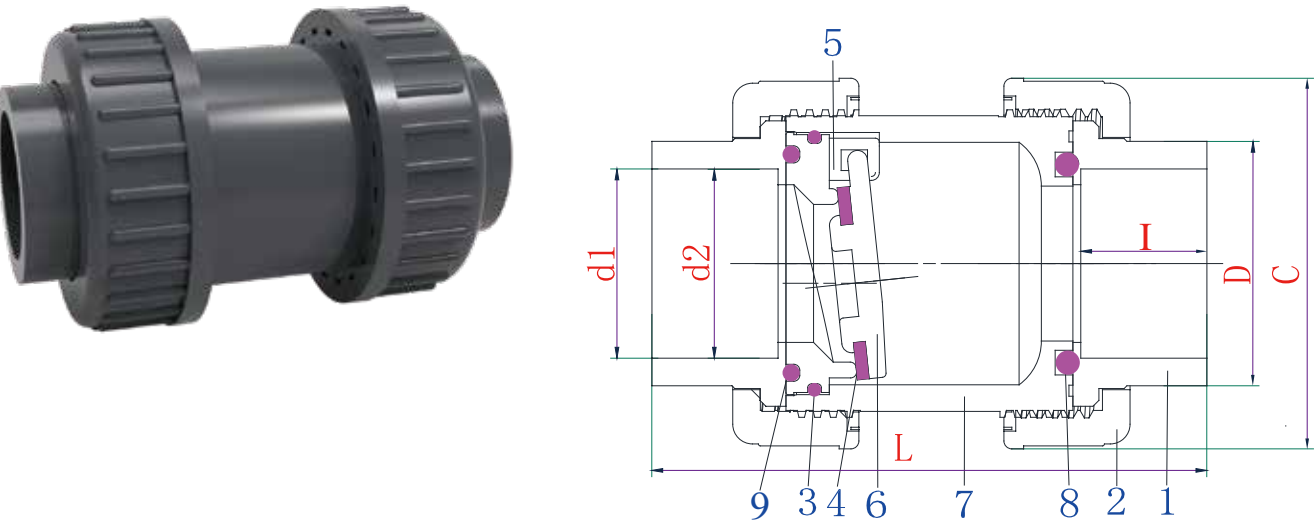


ITEM NO.	SIZE	I	d1	d2	L	D	C
S6050 II	50	31.5	48.8	48.3	134.8	61.6	94
S6063 II	63	37.9	60.3	60.1	163	75.3	117.4

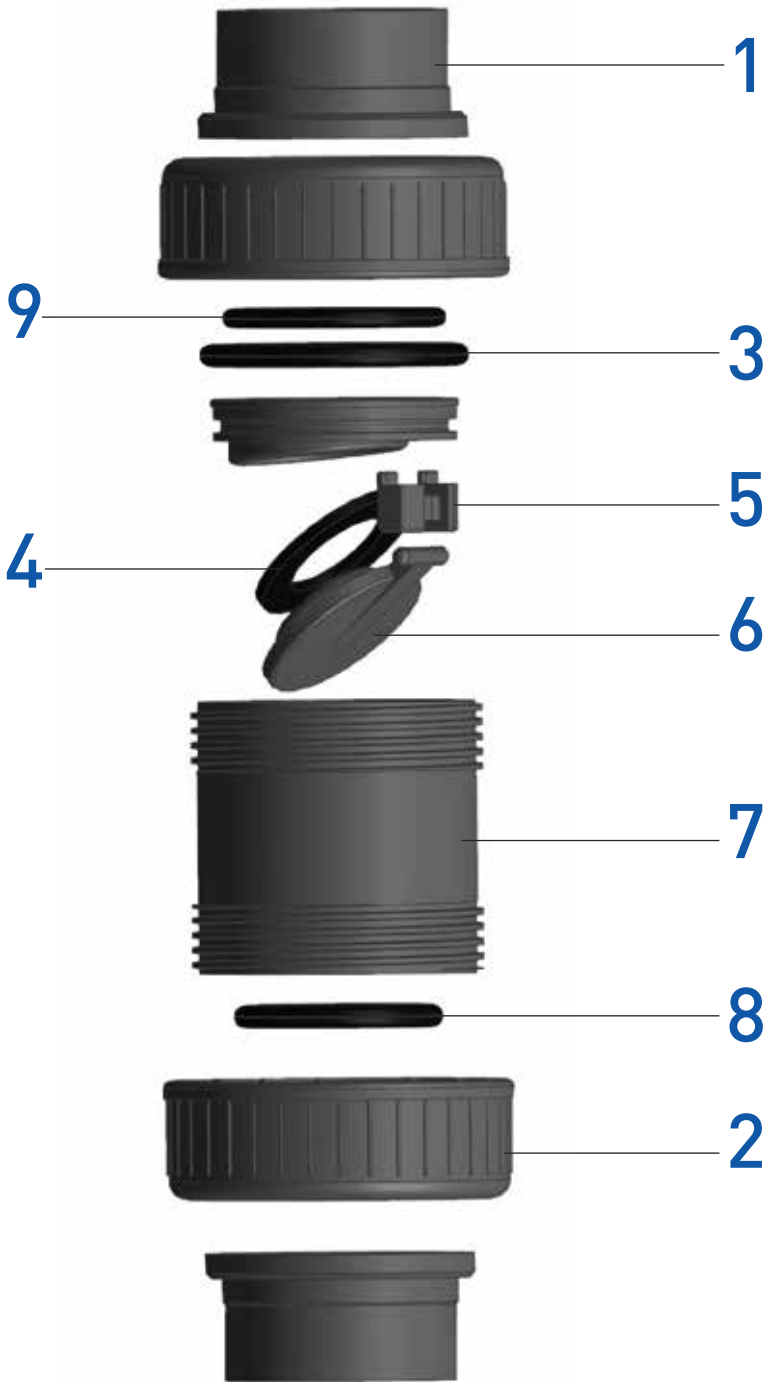
The material itself does not affect the quality of environmental health, buried use will not contaminate the soil, does not affect the quality of transport and storage of water. Good toughness, suitable for use with water treatment equipment, also used in large water treatment devices.

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
 THREAD(BSPT/NPT)
 WORK PRESSURE:20 - 63 mm PN16=232PSI
 75 - 110 mm PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	2
2	UNION NUT	UPVC	2
3	BALL	EPDM	1
4	CARRIER GASKET	EPDM	1
5	FASTENER	UPVC	2
6	DISC	UPVC	1
7	BODY	UPVC	1
8	O-RING	EPDM	1
9	O-RING	EPDM	1

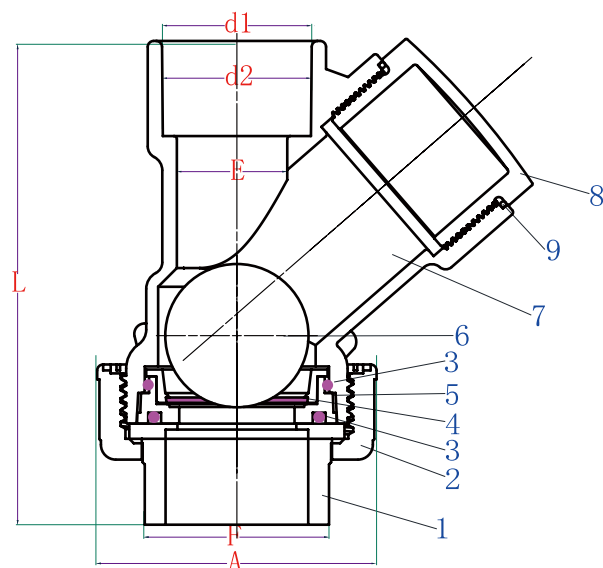


ITEM NO.	SIZE	I	d1	d2	L	D	C
T5050	50	32.0	50.3	49.9	143.1	61.8	94
T5063	63	38.5	63.5	62.9	171	75.4	117.8
T5075	75	41.7	75.5	74.9	209.2	88.4	138.8
T5090	90	57.8	90.55	89.85	281.3	132.1	172
T5110	110	57.8	110.6	109.9	282	132.1	172



The material itself does not affect the quality of environmental health, buried use will not contaminate the soil, does not affect the quality of transport and storage of water.
 Good toughness, suitable for use with water treatment equipment, also used in large water treatment devices.

Y CHECK VALVE



NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	1
2	UNION NUT	UPVC	1
3	O-RING	EPDM	2
4	GASKET	EPDM	1
5	CARRIER	UPVC	1
6	BALL	UPVC	1
7	BODY	UPVC	1
8	MALE PLUG	UPVC	1
9	O-RING	EPDM	1



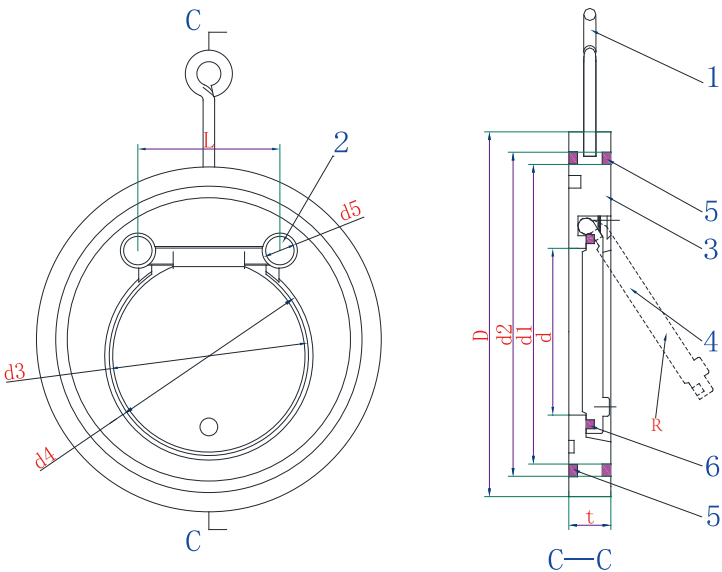
JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 -63 mm PN10=150PSI

ITEM NO.	SIZE	d1	d2	A	F	L
Y6020	20	20.3	20	54.5	28.85	98.48
Y6025	25	25.3	25	59	34.9	105.86
Y6032	32	32.3	32	68.7	43.2	137.77
Y6040	40	40.4	40	79	51.9	143.54
Y6050	50	50.3	49.9	94	62	162.7
Y6063	63	63.5	62.9	117.6	75.4	194.5

- **Application:** Installed on liquid and water pipelines as a safety device to automatically prevent the backflow of media.
- **Structural characteristics**
1) The ball moves up and down the side of the valve body: when the medium is flowing, the pressure of the medium opens the ball into the slanting side channel and the valve opens. When the media backflow, due to the ball's own weight decline and the backflow pressure of the media, automatically close the valve.
2) Better anti-aging performance, excellent corrosion resistance, low resistance and high flow rate.
- This valve should be installed vertically and can't be installed horizontally or diagonally.
- Note the direction of media flow from bottom to top (positive flow).

WAFER CHECK VALVE

WORK PRESSURE:63-315 mm PN10=150PSI

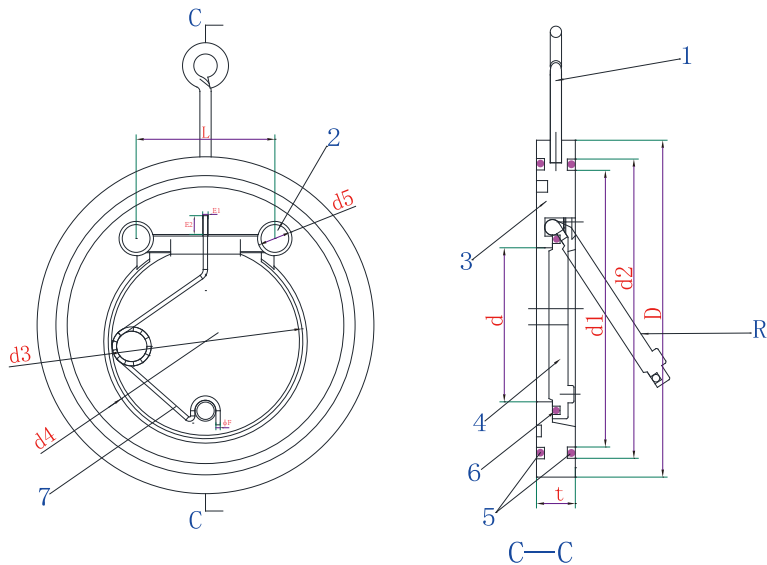


JOINT END: FLANGED TYPE
WORK PRESSURE: PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	SCREW	SS304,GANALIZED STEEL	1
2	FASTENER	UPVC,CPVC	2
3	BODY	UPVC,CPVC	1
4	DISC	UPVC,CPVC	1
5	BODY O-RING	EPDM	2
6	DISC O-RING	EPDM	1

ITEM NO.	A2063	A2075	A2090	A2110	A2140	A2160	A2200	A2225	A2250	A2315
SIZE	63	75	90	110	140	160	200	225	250	315
R	59.5	58.7	48.7	85.9	118	137.5	160.97	194.3	185	258
D	108.5	130	144.4	163.6	193.8	218.9	246.97	282	327	380
d1	80.5	90.6	109.5	142	159.9	192.7	250	250	299.3	349
d2	87.7	100.2	120.5	151.6	173	204.2	263.7	263.7	310.5	360
d3	50.8	63.6	78.7	93.8	111.2	142.6	168	183.2	195	258
d4	53	67.3	81.7	95.4	116	145.5	175.9	190.8	219.6	320
d5	12	11.8	13	15.9	19.6	18.9	20	19.7	24	33
L	45.8	42.2	52.3	73.8	81.8	84	101.8	111.8	116.7	152.8
t	19.2	19.4	20.8	24	22.4	25.3	31.5	34.2	40	53
d	30.8	38	52.8	70	88	110.6	135	149	155	226

WORK PRESSURE:63-315 mm PN10=150PSI

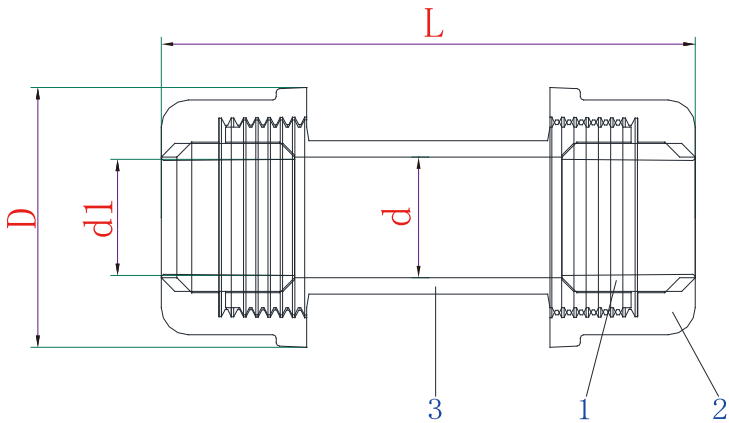


JOINT END: FLANGED TYPE
 WORK PRESSURE: PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	SCREW	SS304,GANALIZED STEEL	1
2	FASTENER	UPVC,CPVC	2
3	BODY	UPVC,CPVC	1
4	DISC	UPVC,CPVC	1
5	BODY O-RING	EPDM	2
6	DISC O-RING	EPDM	1
7	SPRING	SS304	1

ITEM NO.	A8063	A8075	A8090	A8110	A8140	A8160	A8200	A8225	A8250	A8315
SIZE	63	75	90	110	140	160	200	225	250	315
R	59.5	58.7	48.7	85.9	118	137.5	160.97	194.3	185	258
D	108.5	130	144.4	163.6	193.8	218.9	246.97	282	327	380
d1	80.5	90.6	109.5	142	159.9	192.7	250	250	299.3	349
d2	87.7	100.2	120.5	151.6	173	204.2	263.7	263.7	310.5	360
d3	50.8	63.6	78.7	93.8	111.2	142.6	168	183.2	195	258
d4	53	67.3	81.7	95.4	116	145.5	175.9	190.8	219.6	320
d5	12	11.8	13	15.9	19.6	18.9	20	19.7	24	33
L	45.8	42.2	52.3	73.8	81.8	84	101.8	111.8	116.7	152.8
t	19.2	19.4	20.8	24	22.4	25.3	31.5	34.2	40	53
d	30.8	38	52.8	70	88	110.6	135	149	155	226
E1	1.2	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5	3.5
E2	3.5	3.5	3.5	3.5	3.5	4	6.78	4.5	4.5	4.5
E3	4.4	4.4	4.4	4.4	4.4	4.4	7.8	4.4	4.4	4.4
ØF	2	2	2	2	2	3	3	3	3	3

WORK PRESSURE:16-63 mm PN16=232PSI



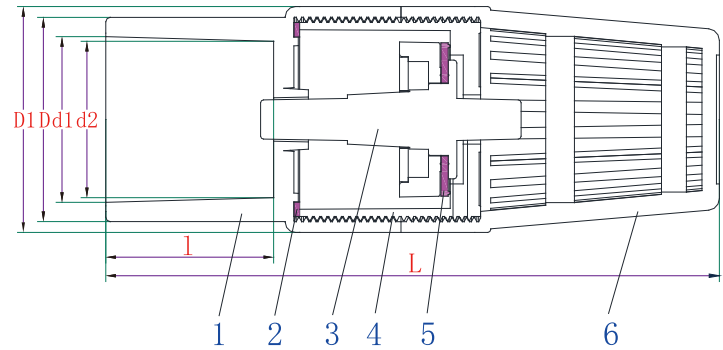
NO.	PART	MATERIAL	Q'TY
1	MAIN DODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	SEAT SEAL	TPE,TPV	2

ITEM NO.	SIZE	d1	d	D	L
A1016	16	16	18	38.4	82.5
A1020	20	20.7	23.9	50.8	105.1
A1025	25	26.2	27.7	56.7	113
A1032	32	33.0	34.8	63.3	125.7
A1040	40	41.8	43.1	75.5	136.6
A1050	50	47.6	51	85.3	155.2
A1063	63	59.8	64	100.3	190.1

Time and labor saving: compression can be connected or disconnected quickly, easy to operate without tools, which greatly saves time and labor.
 Compression sealing is better, when disconnected or connected, water will not leak.

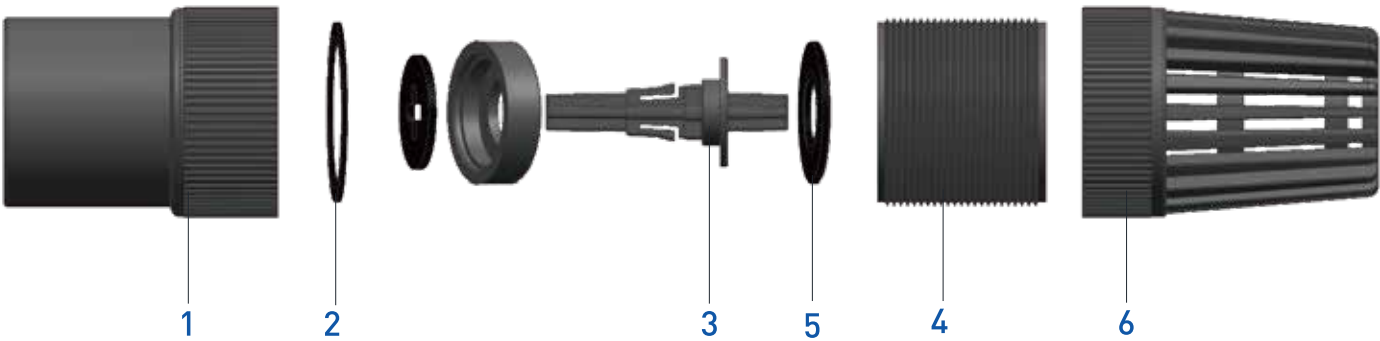
FOOT VALVE

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:25-63 mm PN16=232PSI



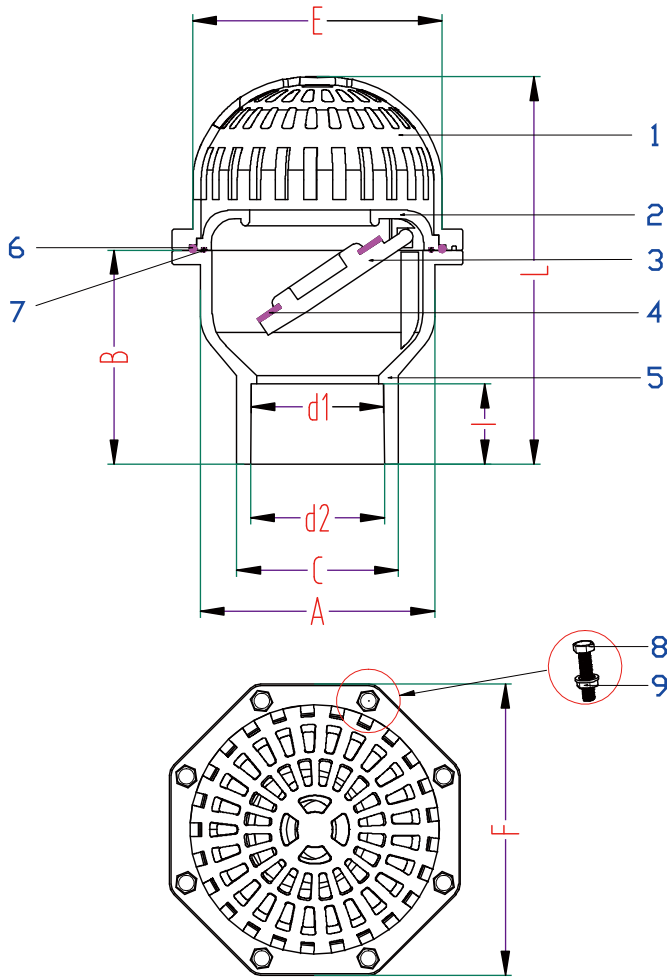
NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC	1
2	SEAL GASKET	EPDM	1
3	DISC	UPVC	1
4	FASTENER	UPVC	1
5	SEAL GASKET	EPDM	1
6	MESH ENCLOSURE	UPVC	1

ITEM NO.	SIZE	I	d1	d2	D	D1	L
M2025	25	27	25.3	25	35	45	141
M2032	32	28.2	32.3	32	42	53	157.4
M2040	40	41.3	40.3	40	51	53	160.6
M2050	50	53.3	50.3	50	57.7	78.1	204.4
M2063	63	58	63.3	63	70.3	78.1	212.2



FOOT VALVE SWING TYPE

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:75-200 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	MESH ENCLOSURE	UPVC	1
2	FASTENER	UPVC	1
3	DISC	UPVC	1
4	SEAL GASKET	EPDM	1
5	BODY	UPVC	1
6	O-RING	EPDM	1
7	O-RING	EPDM	1
8	SCREW	SS304	8
9	NUT	SS304	8

ITEM NO.	SIZE	I	d1	d2	A	B	C	E	F	L
M2075	75	45	75	75.3	126.78	141	88	129.21	160	221.13
M2090	90	54	90	90.3	158.5	144.4	109.4	168.6	196.8	261.8
M2110	110	64	110	110.4	177	176.1	131.7	192.9	220	320.9
M2140	140	64	110	110.4	177	176.1	131.7	192.9	220	306
M2160	160	86	160	160.5	253.5	267	183	237.29	295	394.26
M2200	200	86	160	160.5	253.5	267	183	237.29	295	365

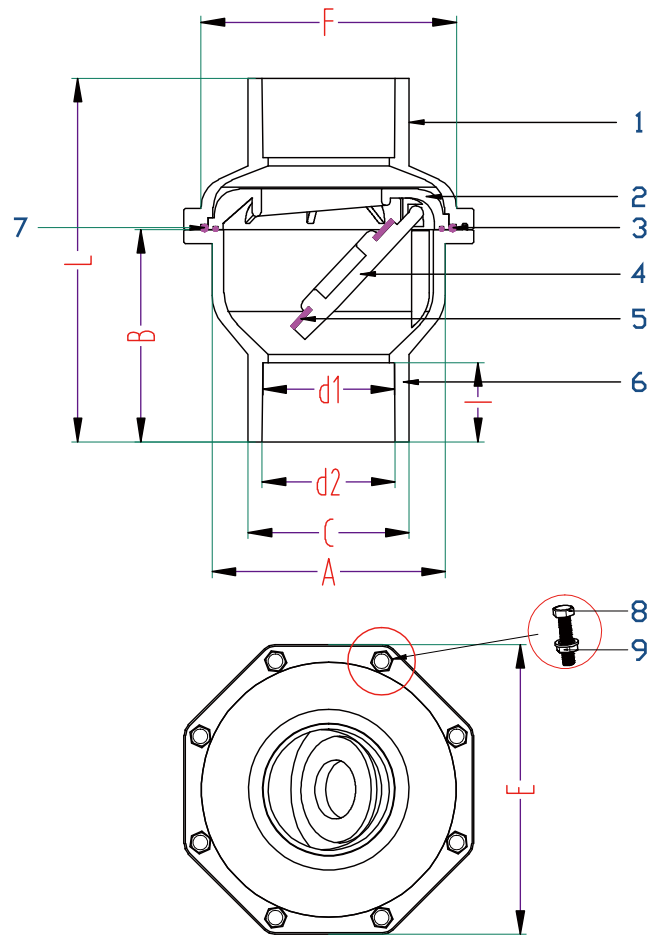


SWING FOOT VALVE(FLANGE)
M2-5



FOOT VALVE
M2

CHECK VALVE SWING TYPE



JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:75-200 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	1
2	FASTENER	UPVC	1
3	O-RING	EPDM	1
4	DISC	UPVC	1
5	SEAL GASKET	EPDM	1
6	BODY	UPVC	1
7	O-RING	EPDM	1
8	SCREW	SS304	8
9	NUT	SS304	8

ITEM NO.	SIZE	I	d1	d2	A	B	C	E	F	L
M3075	75	45	75	75.3	126.78	141	88	160	116.38	209.47
M3090	90	54	90	90.3	158.5	144.4	109.4	196.8	173.6	247
M3110	110	64	110	110.4	177	176.1	131.7	220	192.9	302.3
M3140	140	64	110	110.4	177	176.1	131.7	220	192.9	307
M3160	160	86	160	160.5	253.5	267	183	295	269.22	411.56
M3200	200	86	160	160.5	253.5	267	183	295	269.22	320



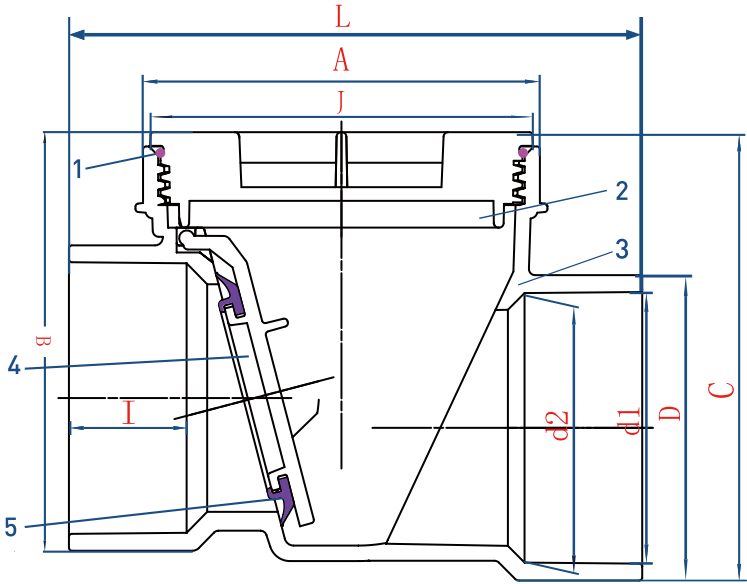
CHECK VALVE
M3



SWING CHECK VALVE(FLANGE)
M3-5

BACKWATER VALVE

NO.	PART	MATERIAL	Q'TY
1	O-RING	EPDM	1
2	CAP	PVC	1
3	BODY	PVC	1
4	DISC	PVC	1
5	GASKET	EPDM	1

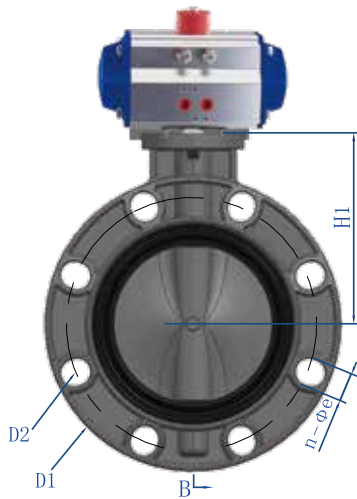
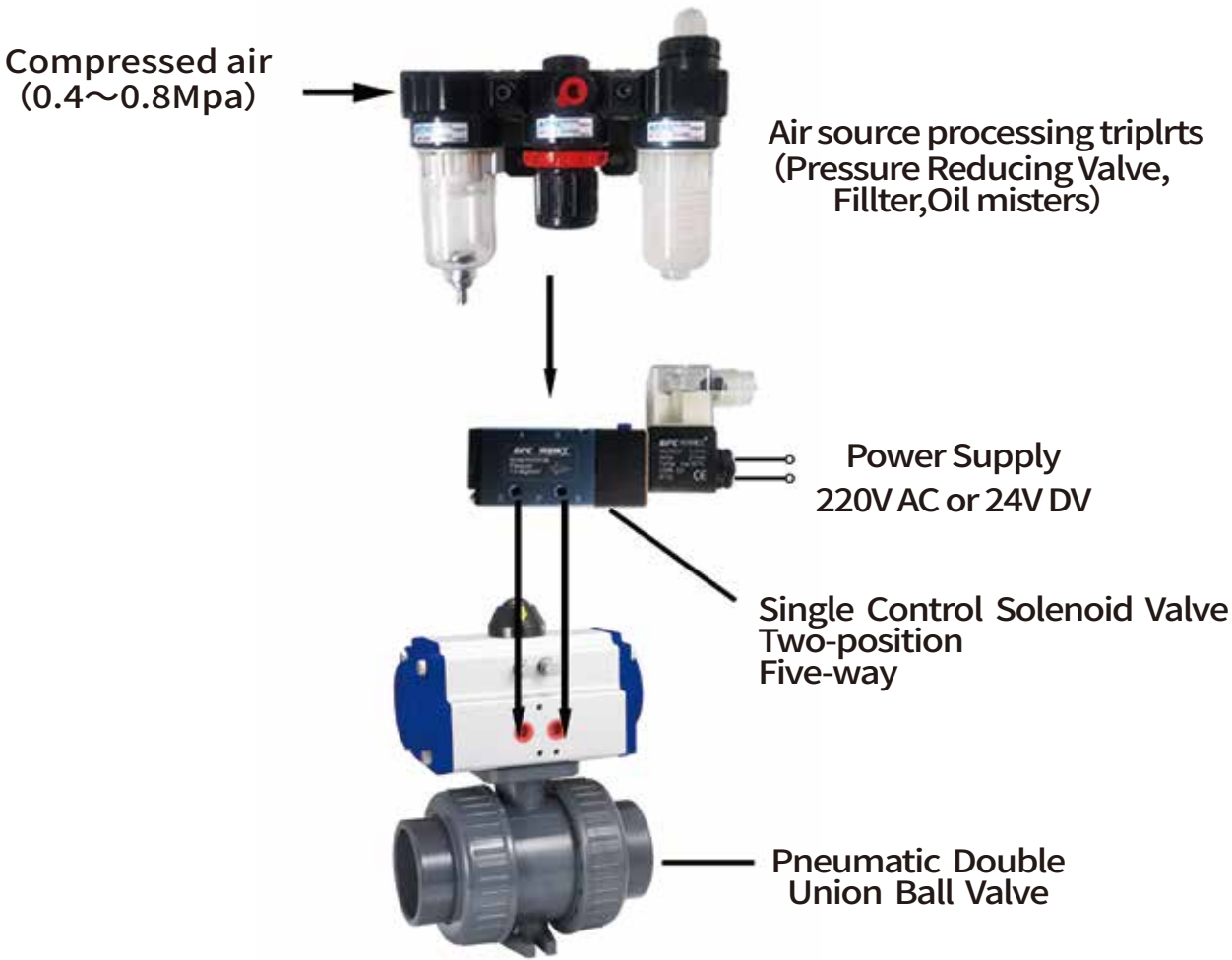


ITEM NO.	SIZE	I	d1	d2	A	B	C	D	L	J
M6050	50	16.8	50.5	49.9	89	87	97	55.5	106.3	84.8
M6063	63	20.1	63.5	62.9	89	88.7	96.1	68	114.4	84.8
M6090	90	38.9	90.55	89.85	131.2	137.8	147.6	100.5	189.5	126.3
M6110	110	47	110.6	109.9	177.5	159.9	172.3	128	250.3	173.4
M6160	160	78.1	160.9	159.8	252	220.3	239.3	185	385.6	249



Technical Parameters

Product Size	DIN/ANSI/JIS/CNS 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"			
	NPT/BSPT 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"			
	FLANGED 1/2" 3/4" 1" 1-1/4" 1-1/2" 2" (Optional)			
Maximum Working Pressure	1.6MPA			
Power Supply and Control Method	Double-acting			
	Single-acting FC			
	Single-acting FO			
Actuator Rotation	0~270°			
Torque Force	50 N.M	80 N.M	100 N.M	150 N.M
Environment Temperature	-20℃~60℃			
Electrical Interface	Approx. 0.6 seconds per 90° rotation			
Other Feature	Limit Switch			
	Air Filter			
	Limit Switch + Air Filtration + Solenoid Valve (Optional)			



1. The actuator passes the impact test, the acid-base test, and the materials meet the SGS.
2. Valve opening degree is 0-90.
3. The connection between the actuator and the valve complies with the ISO5211 standard.
4. 100% performance test before valve delivery.
5. The cylinder body adopts extruded aluminum alloy, the inner hole and the external surface for hard anodized treatment has a longer service life and low friction coefficient.
6. Integrated design, all dual action and single action actuator models, have the same cylinder block and end cover, it is very convenient to change the mode of action by installing springs and removing springs.
7. Air source interface meets the NAMUR standard, and can be directly installed with NAMUR, standard solenoid valve.

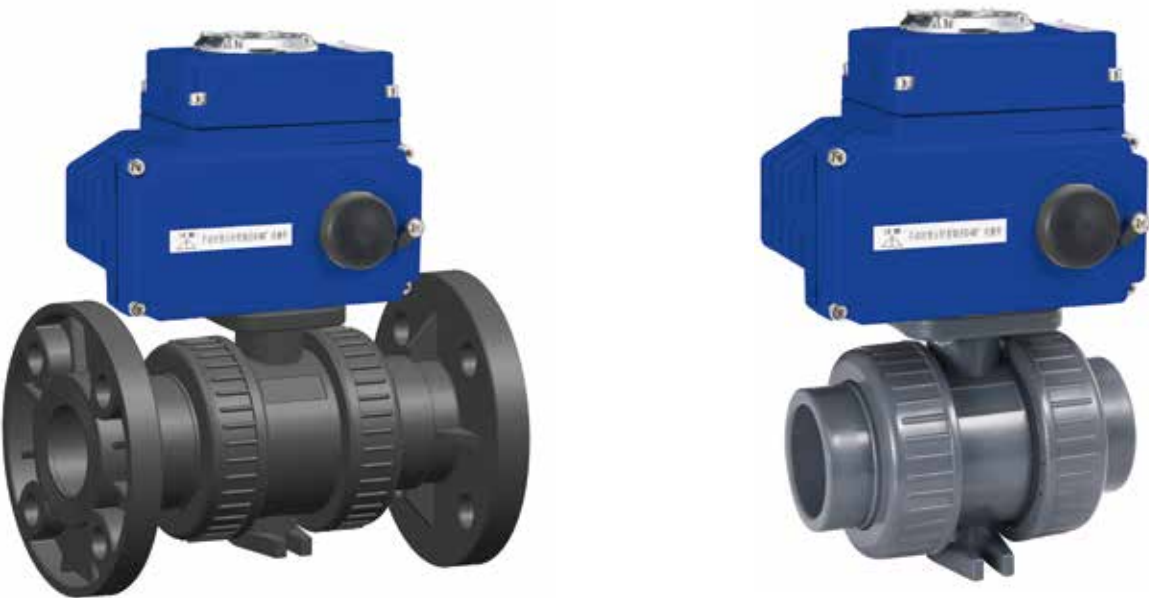
ITEM NO.	SIZE	n-øe	D1	D2	H1
M1063 GE	63	4-20.5	162	128.6	110
M1075 GE	75	4-20.5	180	145	123
M1090 GE	90	8-19	196	160.7	133
M1110 GE	110	8-21.5	222	188.7	148
M1140 GE	140	8-25	258	210	167
M1160 GE	160	8-25	287	246.7	184.5
M1200 GE	200	8-24	341	295.7	212

Actuator working mode double-acting/single-acting (FC normally closed, FO normally open)

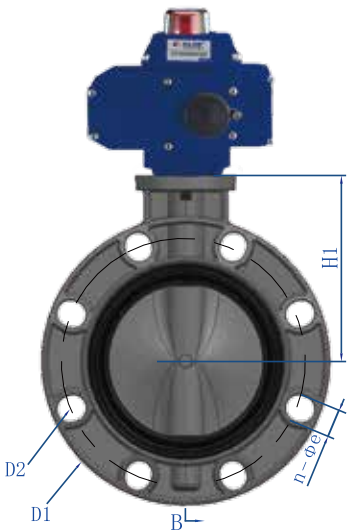
Model	Control Pressure	NAMUR Standard Air Source Interface	Double-acting Actuator Mode	Single-acting Actuator Model
63	4-8	G1/4"	E-063DA	E-063FC
75	4-8	G1/4"	E-063DA	E-063FC
90	4-8	G1/4"	E-063DA	E-063FC
110	4-8	G1/4"	E-083DA	E-083FC
140	4-8	G1/4"	E-083DA	E-083FC
160	4-8	G1/4"	E-092DA	E-092FC
200	4-8	G1/4"	E-092DA	E-092FC

Technical Parameters

Product Size	DIN/ANSI/JIS/CNS 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"			
	NPT/BSPT 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"			
	FLANGED 1/2" 3/4" 1" 1-1/4" 1-1/2" 2" (Optional)			
Maximum Working Pressure	1.6MPA			
Rated Voltage	DC24/1.8A	AC110/0.5A	AC220/0.3A (Optional)	
	AC380/0.1A	AC24/2A		
Wiring Control Methods	110/220VAC Common Switch S Type			
	110/220VAC With Potentiometer Output R Type			
	110/220VAC Basic Adjustment P Type			
	Intelligent Regulation PL Type (With In-situ Operation)			
	Common Switch DC Type			
	DC Forward and Reverse Control DS Type			
	DC With Potentiometer Output DR Type			
	DC Basic Regulation DP Type			
	380VAC Common Switch T Type			
Actuator Rotation	0~270°			
Torque Force	50 N.M	80 N.M	100 N.M	150 N.M
Actuator Rotation	-20℃~60℃			
Electrical Interface	M18×1.5 Waterproof Connector			
Other Feature	Clutch Hand-wheel			
	F Damp Heater (Optional) (Dehumidification and Heating)			



- 1. Valve opening degree is 0-90 .
- 2. The shell is hard aluminum alloy with strong corrosion resistance and protection grade of IP67.
- 3. Closed mouse cage motor, small volume, large torque, built-in thermal protection device..
- 4. Equipped with a manual wrench for easy adjustment.
- 5, the standard protection level is IP67, can be customized IP68.
- 6. Mechanical and electronic double limit position, safe and reliable.
- 7. The connection between the actuator and the valve complies with the ISO5211 standard.
- 8. 100% performance test before valve delivery.
- 9. The control line meets the power supply standard, and the line layout is compact and reasonable, which can effectively meet the requirements of various additional lines.



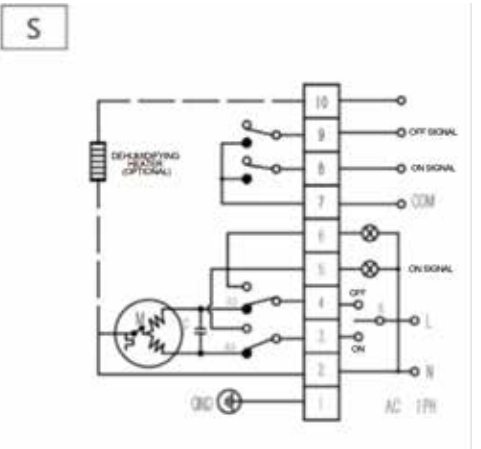
ITEM NO.	SIZE	n-Øe	D1	D2	H1
M1063 GG	63	4-20. 5	162	128. 6	110
M1075 GG	75	4-20. 5	180	145	123
M1090 GG	90	8-19	196	160. 7	133
M1110 GG	110	8-21. 5	222	188. 7	148
M1140 GG	140	8-25	258	210	167
M1160 GG	160	8-25	287	246. 7	184. 5
M1200 GG	200	8-24	341	295. 7	212

Electric actuator specifications

Valve	Model	Max. Torque	Movement Time 90 Degrees		Output Shaft	Motor	Rated Current		
		N · M	Standard	Standard	mm	W	AC 220V/A	AC 380V/A	AC 24V/A
63	G-005	50	15/30	30	14×14	15	0.3	0.1	2
75	G-005	50	15/30	30	14×14	15	0.3	0.1	2
90	G-005	50	15/30	30	14×14	15	0.3	0.1	2
110	G-005	100	15/30	30	14×14	15	0.3	0.1	2
140	G-005	100	15/30	30	14×14	15	0.3	0.1	2
160	G-008	100	15/30	30	14×14	15	0.3	0.1	2
200	G-008	100	15/30	30	14×14	15	0.3	0.1	2

CUSTOM-MADE IS WELCOMED

Circuit control

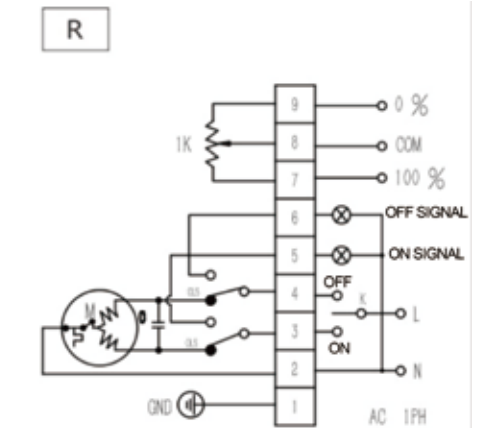


110/220VAC Common Switch (S Type)

Through the switching circuit to realize the valve open and close operation, and output a set of indication valve fully open, fully closed without power, with power position model.

Wiring Instructions:

1. Terminal 1 is connected to ground.
2. Terminals 2, 3 and 4 are connected to the power line; terminal 2 and terminal 3 are connected for "on" operation, and terminal 2 and terminal 4 are connected for "off" operation.
3. Terminals 5, 6 for the power signal; terminal 2 and terminal 3 connected and "open" in place, terminal 5 connected to the "full open signal" indicator light. Terminal 2 and terminal 4 connected and "off" in place, terminal 6 connected to the "all off signal" indicator light.
4. Terminals 7, 8 and 9 are no power signals: terminal 7 is the common terminal, terminal 7 is connected to terminal 8 for an "on" signal, and terminal 7 is connected to terminal 9 for an "off" signal.
5. Terminal 10 is a dehumidification heater (optional): the dehumidification heater operates when terminal 2 is connected to terminal 10.

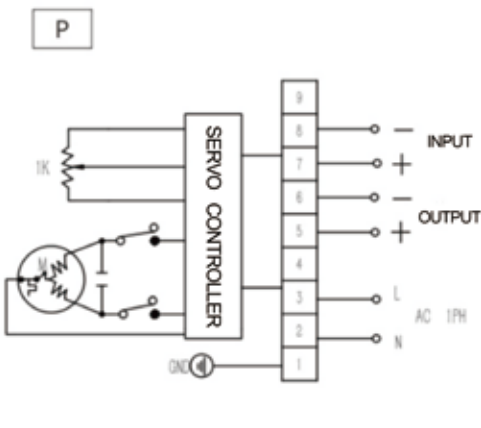


110/220VAC With Potentiometer Output (R Type)

Valve opening and closing operations are realized by switching circuits, and at the same time, a resistance signal (1K) corresponding to the opening and closing angle of the valve is output.

Wiring Instructions:

1. Terminal 1 is connected to ground.
2. Terminals 2, 3 and 4 are connected to the power line; terminal 2 and terminal 3 are connected for "on" operation, and terminal 2 and terminal 4 are connected for "off" operation.
3. Terminals 5, 6 for the power signal; terminal 2 and terminal 3 connected and "open" in place, terminal 5 connected to the "full open signal" indicator light. Terminal 2 and terminal 4 connected and "off" in place, terminal 6 connected to the "all off signal" indicator light.
4. Terminals 7, 8, and 9 are potentiometer output resistance signals: terminal 8 is common, terminal 9 is 0% signal, and terminal 7 is 100% signal.



110/220VAC Basic Adjustment (P Type)

Through the external computer or industrial instrument input 4-20mA/0-10V/0-5V signal to control the valve opening and closing angle, and synchronized feedback output corresponding 4-20mA/0-10V/0-5V signal.

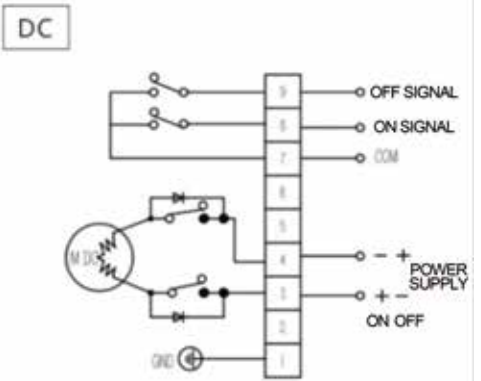
Wiring Instructions:

1. Terminal 1 is connected to ground.
2. Terminals 2 and 3 are connected to 110/220VAC power supply.
3. Terminals 5 and 6 are input signals: terminal 5 accesses the positive signal and terminal 6 is accessing the negative signal.
4. Terminals 7 and 8 are output signals: terminal 7 outputs a positive signal and terminal 8 outputs a negative signal.



Intelligent Regulation PL Type(With In-situ Operation)

This module can receive 4-20mA/0-10V/0-5V signals to realize remote switching and remote adjustment functions, support a variety of power inputs, you can directly operate the actuator switch and opening on the module and display relevant information. Specific wiring and operating instructions according to functional requirements to provide wiring diagrams.

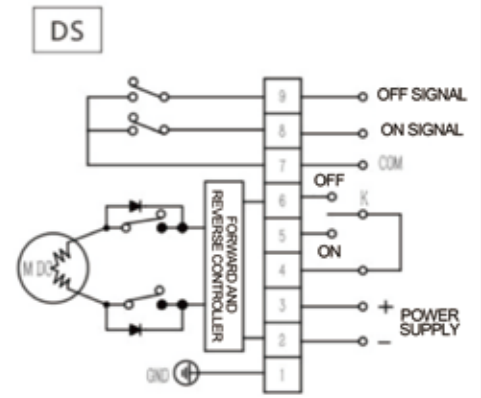


Common Switch DC Type

By switching the positive and negative polarity of the external DC power supply, it realizes the "open" and "close" operation of the valve, and at the same time outputs a set of non-powered contact signals indicating that the valve is fully open or fully closed.

Wiring Instructions:

1. Terminal 1 is connected to ground.
2. Terminals 3 and 4 are the positive and negative interfaces of the DC power supply. Terminal 3 is connected to the positive pole, and terminal 4 is connected to the negative pole and energized as open. Terminal 3 is connected to the negative pole, and terminal 4 is connected to the positive pole and energized as off.
3. Terminals 7, 8 and 9 are no power signals: terminal 7 is the common terminal, terminal 7 is connected to terminal 8 for an on signal, and terminal 7 is connected to terminal 9 for an off signal.



DC Forward and Reverse Control DS Type

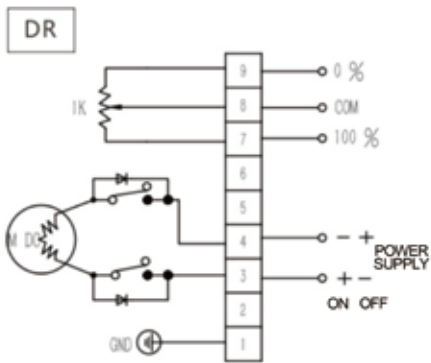
No need to switch the positive and negative polarity of the external DC power supply, through the external control switch to realize the "open" and "close" operation of the actuator, and at the same time, output a set of indication of the valve fully open or fully closed without power contact signal.

Wiring Instructions:

1. Terminal 1 is connected to ground.
2. Terminals 2 and 3 are DC power supply connections, terminal 2 is connected to the negative terminal and terminal 3 is connected to the positive terminal.
3. Terminals 4, 5 and 6 are switching interfaces, terminals 4 and 5 are on, and terminals 4 and 6 are off. No need to switch the positive and negative poles of the power supply externally to realize forward and reverse control.
4. Terminals 7, 8 and 9 are no power signals: terminal 7 is the common terminal, terminal 7 is connected to terminal 8 for an "on" signal, and terminal 7 is connected to terminal 9 for an "off" signal.

WORK PRESSURE:20-160 mm PN16=232PSI
200 mm PN10=150PSI

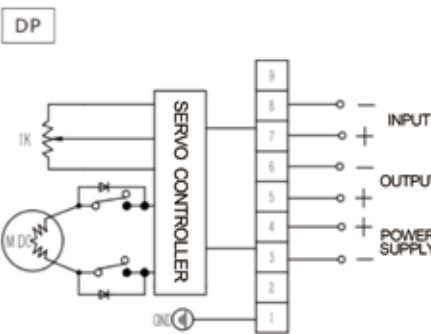
MATERIAL: UPVC/CPVC



DC With Potentiometer Output DR Type

Through the switching circuit to realize the valve opening and closing operation, and output a set of indication valve fully open, fully closed with power position model.

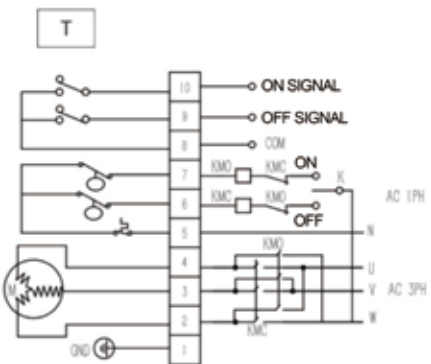
- Wiring Instructions:
- 1.Terminal 1 is connected to ground.
 - 2.Terminals 3 and 4 are the positive and negative interfaces of the DC power supply. Terminal 3 is connected to the positive pole and terminal 4 is connected to the negative pole to be energized as open. Terminal 3 is connected to the negative pole and terminal 4 is connected to the positive pole to be energized as off.
 - 3.Terminals 7, 8, and 9 are potentiometer output resistance signals: terminal 8 is common, terminal 9 is 0% signal, and terminal 7 is 100% signal.



DC Basic Regulation DP Type

Through the external computer or industrial instrument input 4-20mA/0-10V/0-5V signal to control the opening and closing angle of the valve, and synchronized feedback output corresponding 4-20mA/0-10V/0-5V signal.

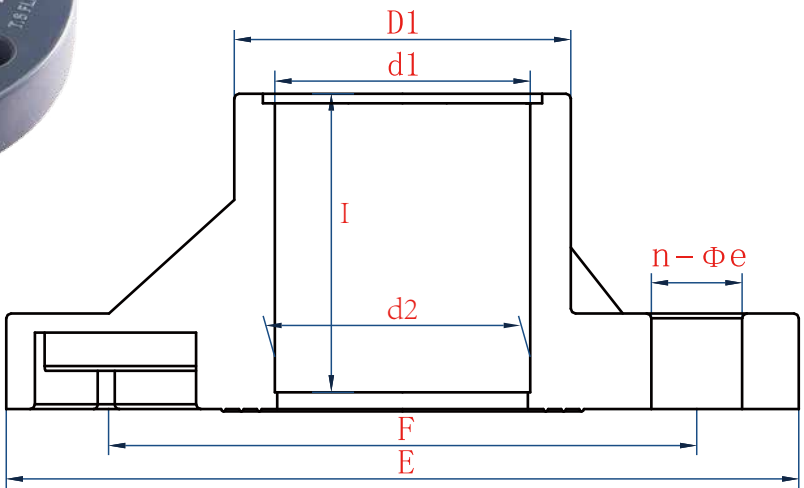
- Wiring Instructions:
- 1.Terminal 1 is connected to ground.
 - 2.Terminals 2 and 3 are DC power supply connections, terminal 3 is connected to the negative terminal and terminal 4 is connected to the positive terminal.
 - 3.Terminals 5 and 6 are input signals: terminal 5 accesses the positive signal and terminal 6 is accessing the negative signal.
 - 4.Terminals 7 and 8 are output signals: terminal 7 outputs a positive signal and terminal 8 outputs a negative signal.



380VAC Common Switch T Type

Through the switching circuit to realize the valve opening and closing operation, and output a set of indication valve fully open, fully closed without power contact signal.

- Wiring Instructions:
- 1.Terminal 1 is connected to ground.
 - 2.Terminals 2, 3 and 4 are connected to three-phase alternating current to realize the forward and reverse rotation of the motor through external reversing circuitry
 - 3.Terminal 5 is the common point for external control circuits
 - 4.Terminal 6 is the "off" operating control.
 - 5.Terminal 7 is the "on" operating control.
 - 6.Terminals 7, 8 and 9 are no power signals: terminal 7 is the common terminal, terminal 7 is connected to terminal 8 for an "on" signal, and terminal 7 is connected to terminal 9 for an "off" signal.



ITEM NO.	A3020	A3025	A3032	A3040	A3050	A3063	A3075	A3090	A3110	A3125	A3160	A3200
SIZE	20	25	32	40	50	63	75	90	110	125	160	200
E	95.1	105.1	125	140.6	149.8	164.9	164.9	200	219.8	230	285	340
F	65	75.08	85	99.6	109.6	125.4	125.4	159.5	179.8	190	240	295
d1	20.3	25.3	32.3	40.4	50.3	63.3	75.5	90.55	110.6	125.7	160.9	201.1
d2	20	25	32	40	50	62.9	74.9	89.85	109.9	124.8	160.5	200.6
I	30.7	36	41.2	45.7	34.8	38.1	38.1	52	60.3	69	87	107
D	30.4	35.34	42.4	51	59	74.2	74.2	105.7	131.5	140.5	105.7	220.5
n-Øe	4-16	4-16	4-18	4-18	4-18	4-18	4-18	8-18	8-18	8-18	8-22	8-22

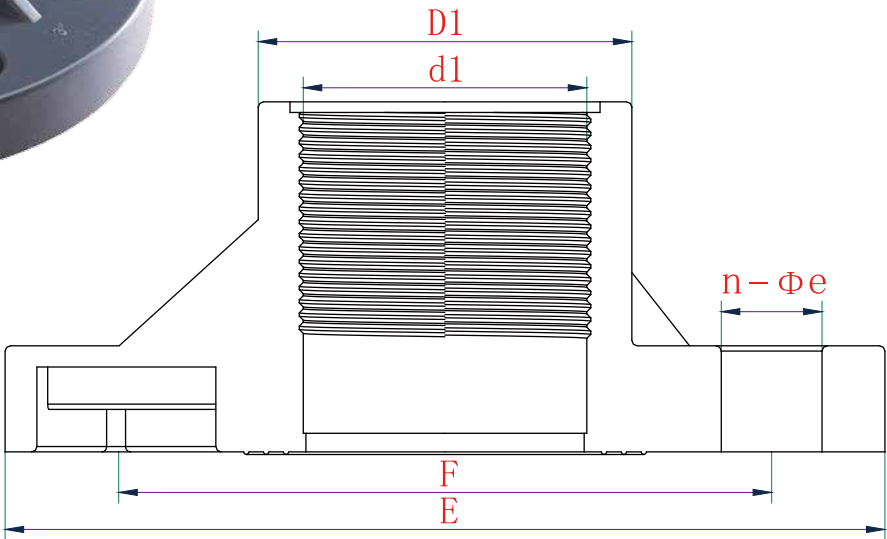
Flange connection is actually convenient to remove, while used in the equipment, valves and other ports, in order to facilitate disassembly can choose the flange connection, and the threaded connection is sometimes convenient to remove.

TS FLANGE



WORK PRESSURE:1/2"-4" PN16=232PSI

MATERIAL: UPVC/CPVC



ITEM NO.	A3020	A3025	A3032	A3040	A3050	A3063	A3075	A3090	A3110
SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
E	95.1	105.1	125	140.6	149.8	164.9	164.9	200	219.8
F	65	75.08	85	99.6	109.6	125.4	125.4	159.5	179.8
d1	20.3	25.3	32.3	40.4	50.3	63.3	75.5	90.55	110.6
D	30.4	35.34	42.4	51	59	74.2	74.2	105.7	131.5
n-Øe	4-16	4-16	4-18	4-18	4-18	4-18	4-18	8-18	8-18

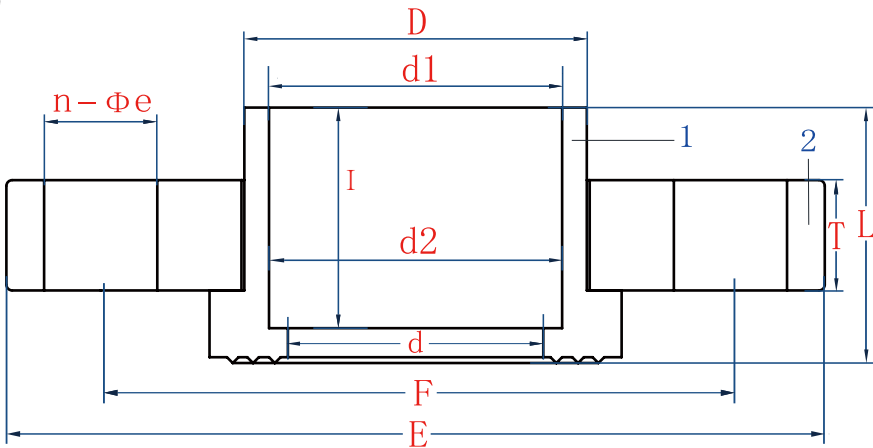
Flange connection is actually convenient to remove, while used in the equipment, valves and other ports, in order to facilitate disassembly can choose the flange connection, and the threaded connection is sometimes convenient to remove.

VAN STONE FLANGE

WORK PRESSURE:50-160 mm PN16=232PSI
200 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	SOCKET	UPVC	1
2	RING	UPVC	1



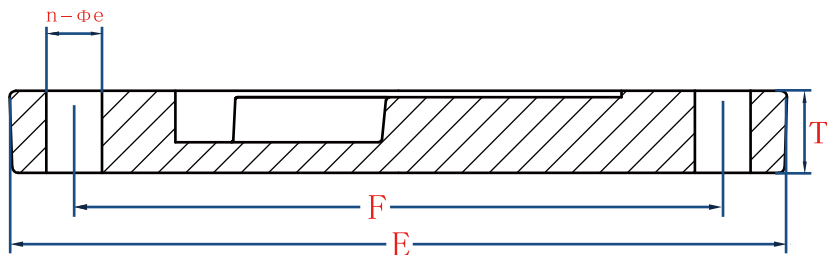
ITEM NO.	A405011	A406311	A407511	A409011	A411011	A412511	A414011	A416011	A420011
DN	40	50	65	80	100	/	125	150	200
SIZE	50	63	75	90	110	125	140	160	200
T	18.8	19	20.7	20.8	26.7	23	26.1	29.1	35.1
d1	50.3	63.3	75.3	90.3	110.4	125.7	140.5	160.5	200.6
d2	50	63	75	90	110	124.5	140	160	200
I	34.8	38.1	44.6	52	60.3	68.5	70.5	75	104.6
d	44.1	56.7	68.7	83.5	99.6	120	131.1	149.6	187.9
D	60	76	90	108	131	148	165	188	233.5
E	150	165	185	200	220.2	250	250	285	340
F(DIN)	110	125	145	160	180	210	210	240	295
L	38.7	42.4	49.1	56.2	66.1	78.2	77.8	80.5	110.2
n-Øe	4-18	4-19	4-18	8-18	8-19	8-18	8-18	8-22	8-23

Van Stone Flange are commonly used for applications that require frequent disassembly inspection.

BLIND FLANGE

WORK PRESSURE:50-160 mm PN16=232PSI
200 mm PN10=150PSI

MATERIAL: UPVC/CPVC



ITEM NO.	DN	SIZE	E	F	T	n-Øe
A905011	40	50	150	110	18. 8	4-18
A906311	50	63	165	125	19	4-19
A907511	65	75	185	145	20. 7	4-18
A909011	80	90	200	160	20. 8	8-18
A911011	100	110	220. 2	180	26. 7	8-19
A912511	/	125	250	210	23	8-18
A914011	125	140	250	210	26. 1	8-18
A916011	150	160	285	240	29. 1	8-22
A920011	200	200	340	295	35. 1	8-23

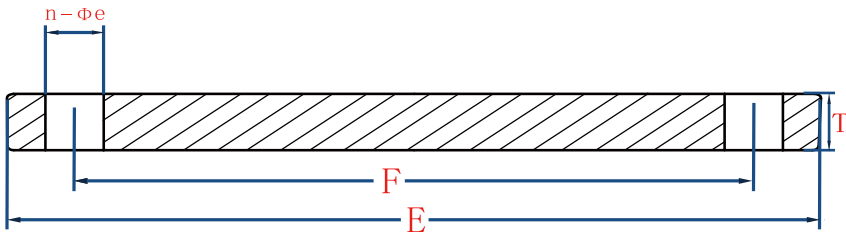
It is a flange without a hole in the center, used to seal the pipe opening.

Blind flange is a removable sealing device.

Blind flange is mainly used to completely isolate the production medium and prevent accidents due to poor closure.

FLANGE GASKET

MATERIAL: EPDM

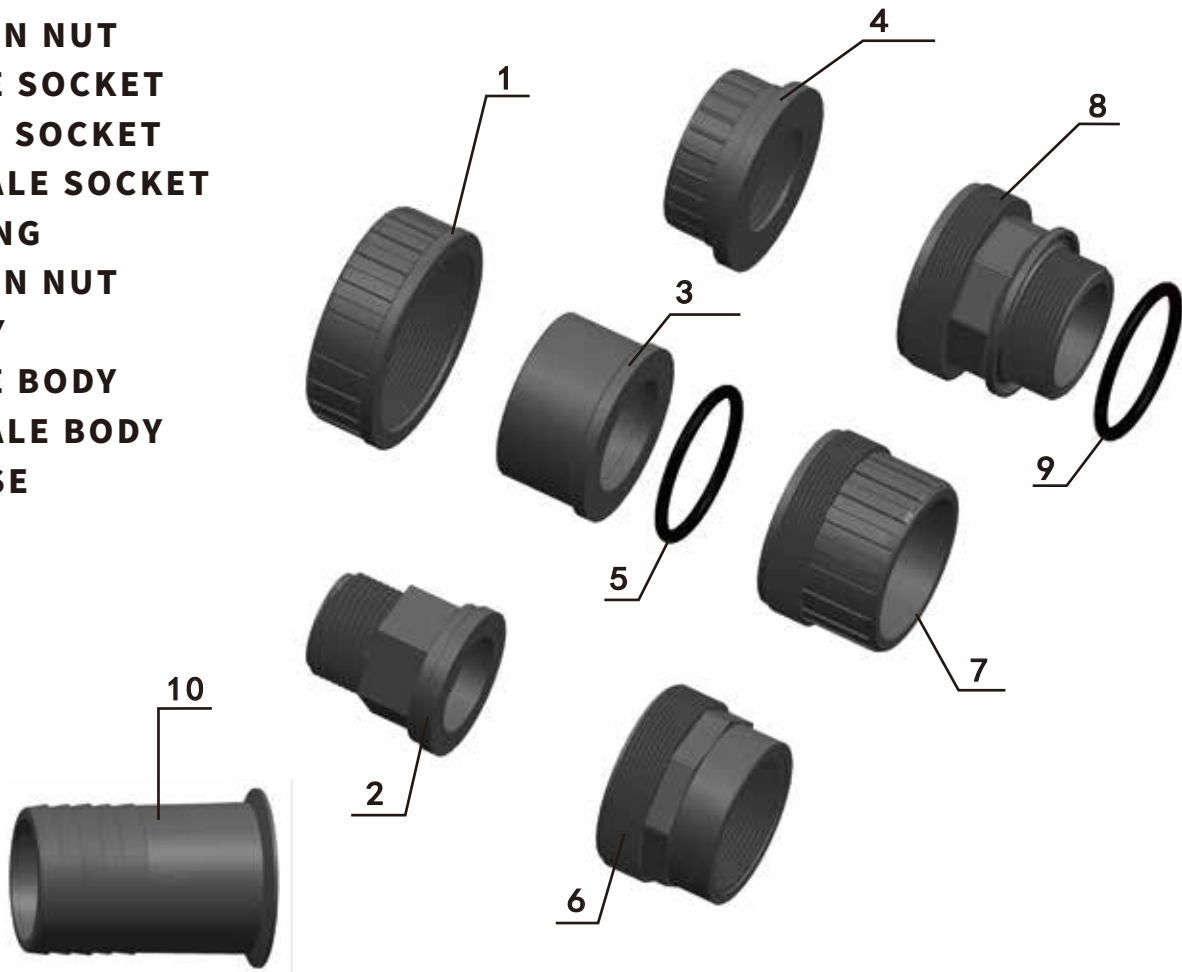


ITEM NO.	DN	SIZE	E	F	T	n-Øe
M002011	15	20	95	65	3	4-14
M002511	20	25	107	75	3	4-14
M003211	25	32	125	85	3	4-14
M004011	32	40	138	100	3	4-18
M005011	40	50	140	110	3	4-18
M006311	50	63	158	125	3	4-18
M007511	65	75	175	145	3	4-18
M009011	80	90	193	160	3	8-18
M011011	100	110	220	180	3	8-18
M012511	/	125	250	210	3	8-18
M014011	125	140	245	210	3	8-18
M016011	150	160	280	240	3	8-22
M020011	200	200	343	295	3	8-22

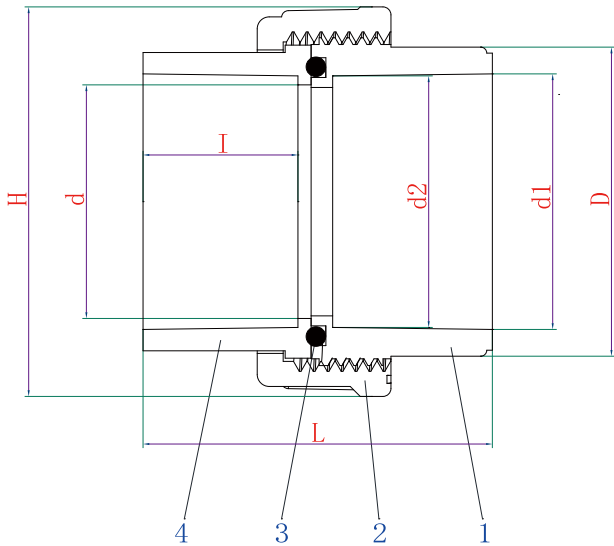
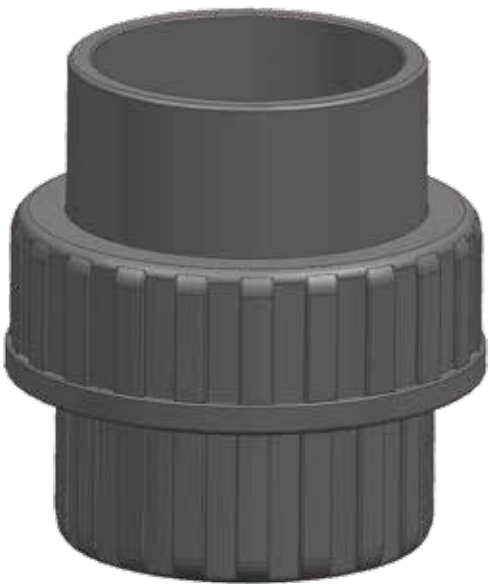
Flange gasket is gasket in the middle of the two pieces of flange, play the role of sealing.

Unions are the preferred choice over flange adaptors for the connection of plastic pipes. With no metal parts, there is no corrosion and the weight is also reduced. They are only available in small sizes (up until D110). The union ends are manufactured in plain ends for solvent socket or thread always according the sizing standards, doing this system appropriate to adapt to other elements or systems. Cepex unions feature an o-ring in order to ensure better unions, so it is no needed the use of PTFE tape between nut and union end (ir is only needed in the threaded ends). They are not recommended when connected to pipe under bending stress. The union nut should be tightened by hand. Must use a strap wrench for big sizes (D75, D90, D110). With this type of unions, it is possible to mix several plastic materials.

- 1- UNION NUT
- 2- MALE SOCKET
- 3- GLUE SOCKET
- 4- FEMALE SOCKET
- 5- O-RING
- 6- UNION NUT
- 7- BODY
- 8- MALE BODY
- 9- FEMALE BODY
- 10- HOSE



WORK PRESSURE:20-63 mm PN16=232PSI
75-110 mm PN10=150PSI



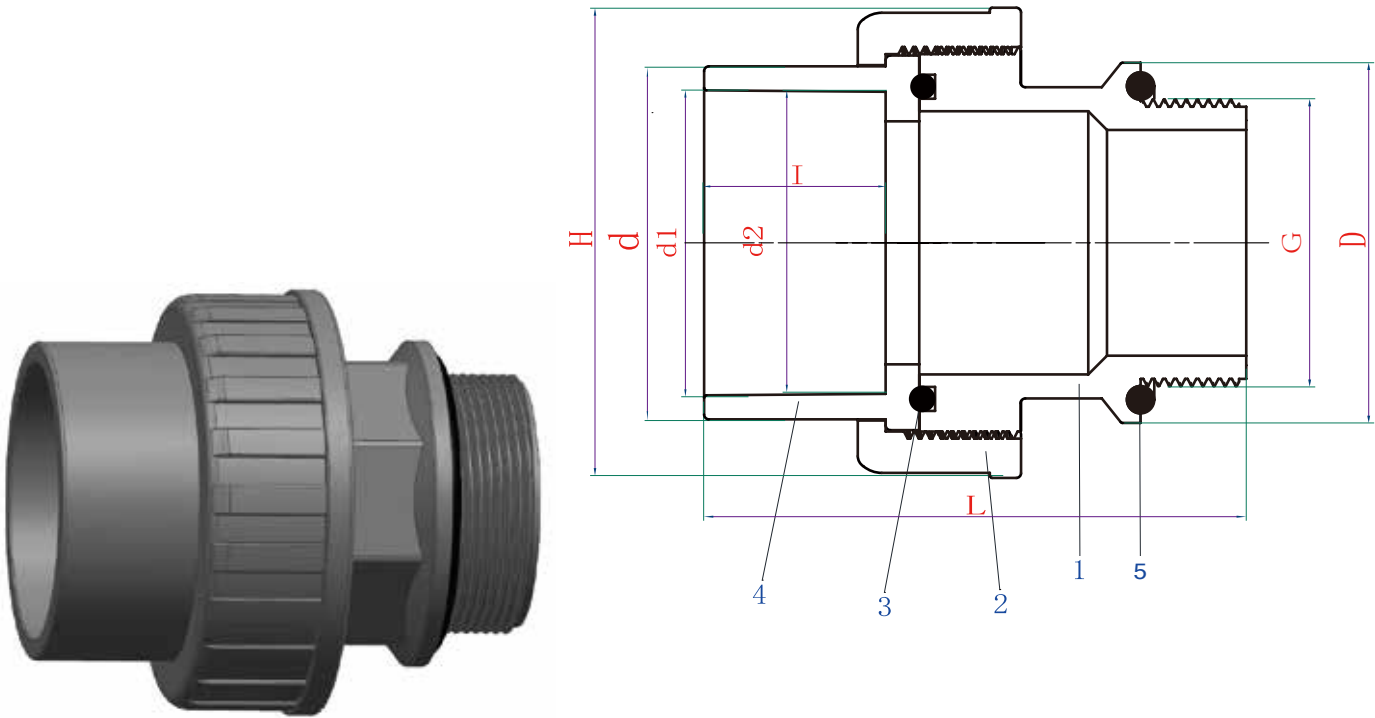
NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1

ITEM NO.	SIZE	I	d1	d2	d	D	H	L
V1A020	20	16.6	20.3	20	15.1	27.4	43	44.7
V1A025	25	19.5	25.3	25	20	31.3	53	56.8
V1A032	32	22.5	32.3	32	25	40.9	60	61.5
V1A040	40	26.5	40.4	40	32	48	71.8	73.3
V1A050	50	31	50.3	49.9	42	58.8	85	82.5
V1A063	63	37.8	63.5	62.9	50.2	74.7	97.9	100.8
V1A075	75	45	75.5	74.9	70	87.5	118.7	100.2
V1A090	90	51	90.55	89.85	85	104	136	121.6
V1A110	110	61	110.6	109.9	105	124	160	142.5

The threads of the V TYPE UNION are standard BSPG threads and can be replaced and connected at will.

V TYPE MALE UNION

WORK PRESSURE:20-63 mm PN16=232PSI
75-110 mm PN10=150PSI

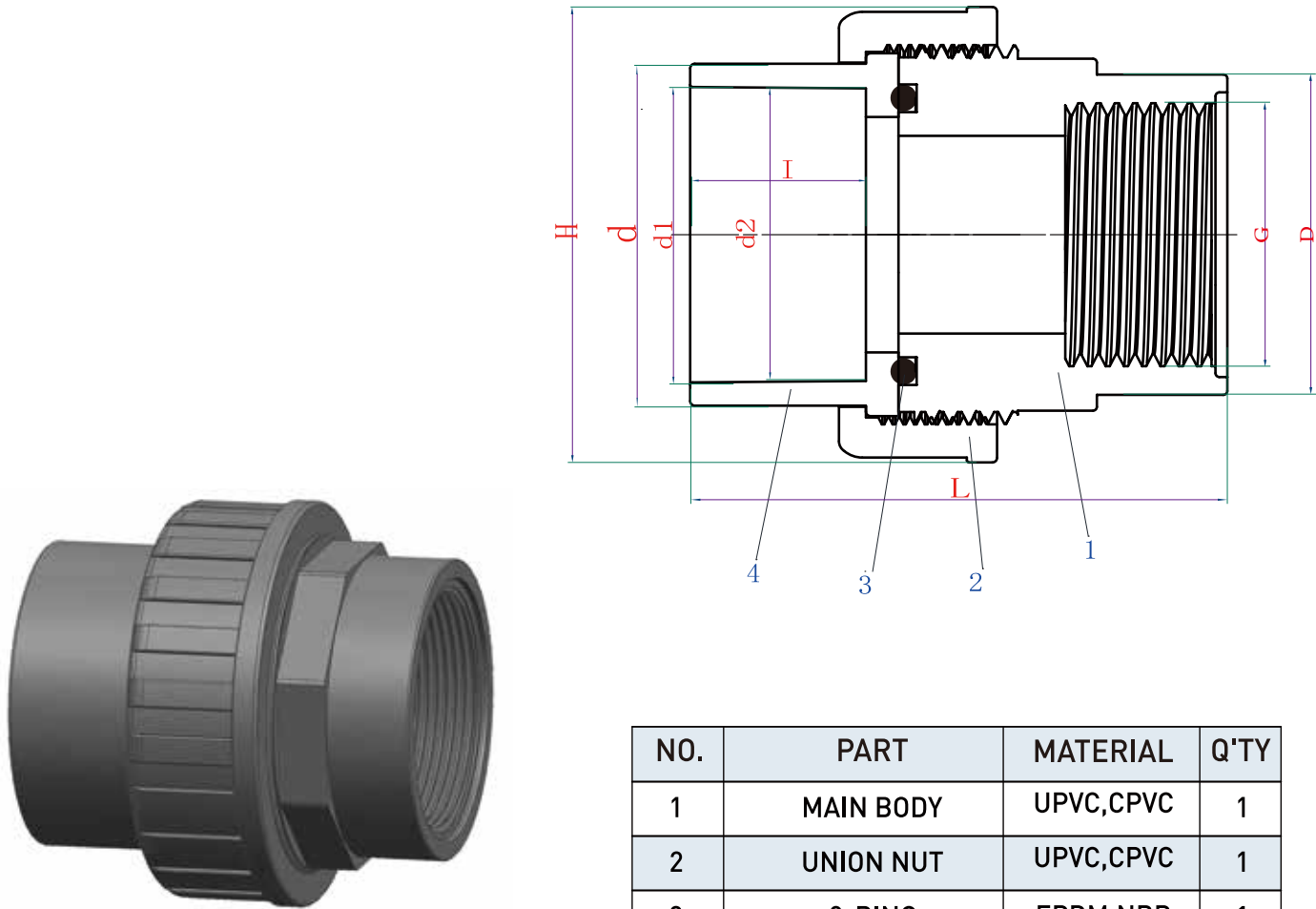


NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1
5	O-RING	EPDM,NBR	1

ITEM NO.	SIZE	I	d1	d2	d	D	G	H	L
V1D020020	1/2"×20	16.6	20.3	20	15.1	33	1/2"	43	59.96
V1D025025	3/4"×25	19.5	25.3	25	20	40	3/4"	53	71.3
V1D032032	1"×32	22.5	32.3	32	25	46	1"	60	78.51
V1D040040	1-1/4"×40	26.5	40.4	40	32	55	1-1/4"	71.8	92.01
V1D050050	1-1/2"×50	31	50.3	49.9	42	62.5	1-1/2"	85	97.12
V1D063050	2"×50	37.8	63.5	62.9	50.2	74.02	2"	97.9	102.56
V1D063063	2"×63	37.8	63.5	62.9	50.2	78	2"	97.9	112.9
V1D075075	2-1/2"×75								
V1D090090	3"×90								
V1D110110	4"×110								

V TYPE UNION

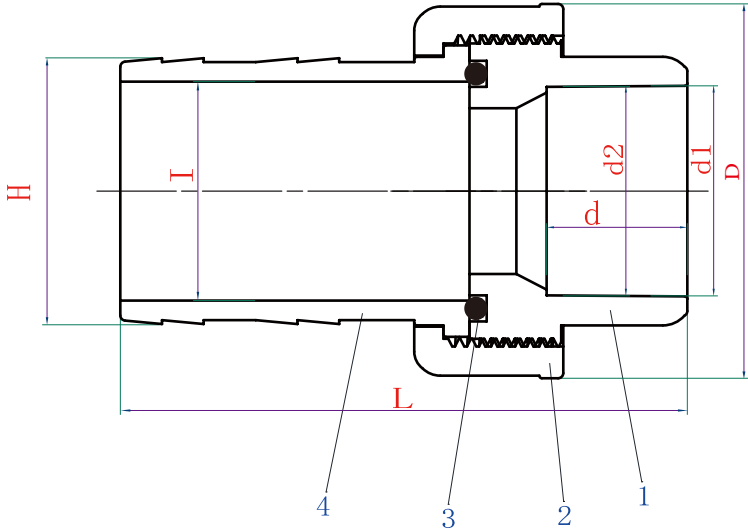
WORK PRESSURE:20-63 mm PN16=232PSI
75-110 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1

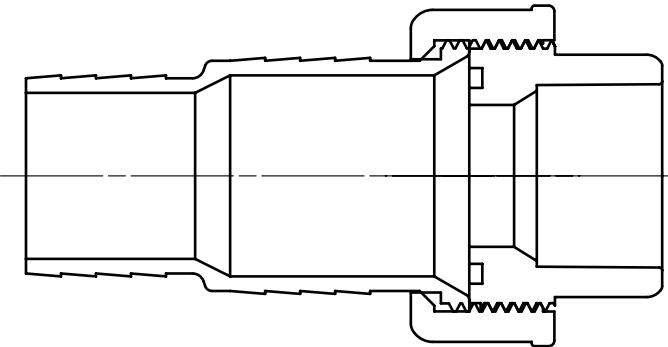
ITEM NO.	SIZE	I	d1	d2	d	D	G	H	L
V1G020020	1/2"×20	16.6	20.3	20	15.1	28.5	1/2"	43	51
V1G025025	3/4"×25	19.5	25.3	25	20	33	3/4"	53	60.3
V1G032032	1"×32	22.5	32.3	32	25	40.5	1"	60	69.1
V1G040040	1-1/4"×40	26.5	40.4	40	32	51	1-1/4"	71.8	80.1
V1G050050	1-1/2"×50	31	50.3	49.9	42	58	1-1/2"	85	82.5
V1G063063	2"×63	37.8	63.5	62.9	50.2	73	2"	97.9	98.4
V1G075075	2-1/2"×75								
V1G090090	3"×90								
V1G110110	4"×110								

WORK PRESSURE:20-50 mm PN16=232PSI



NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1

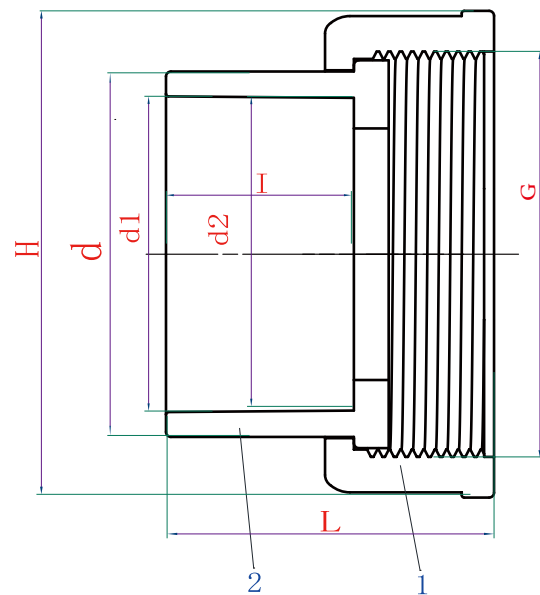
ITEM NO.	SIZE	I	d1	d2	d	D	H	L
V1G020020	20×20	14	20.3	20	16.6	43	20.4	63.3
V1G020025	20×25	18	20.3	20	16.6	43	25.5	68.8
V1G025025	25×25	18	25.3	25	19.5	53	25.5	78
V1G025032	25×32	24	25.3	25	19.5	53	32.5	81.7
V1G032032	32×32	24	32.3	32	22.5	60	32.5	84
V1G032040	32×38	31.1	32.3	32	22.5	60	38.8	101
V1G040040	40×38	31.1	40.4	40	26.5	71.8	38.8	108.8
V1G040050	40×50	42	40.4	40	26.5	71.8	51	108.8
V1G050050	50×50	42	50.3	49.9	31	85	51	114



ITEM NO.	DN	SIZE	I	d1	d2	d	D	H	L

V TYPE UNION

WORK PRESSURE:1/2 "-2 " PN16=232PSI
2 1/2 "-5 " PN10=150PSI

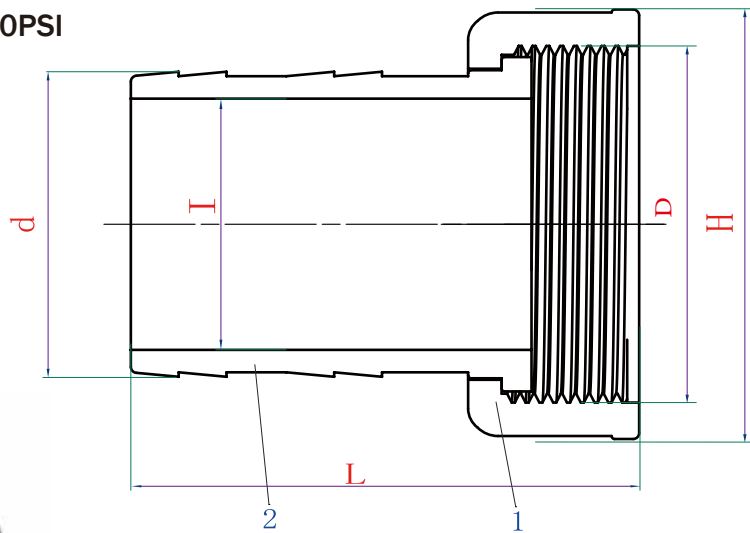


NO.	PART	MATERIAL	Q'TY
1	UNION NUT	UPVC,CPVC	1
2	END CONNECTOR	UPVC,CPVC	1

ITEM NO.	SIZE	I	d1	d2	d	G	H	L
V3C020012	1/2"×12							
V3C025016	3/4"×16							
V3C032020	1"×20	16.6	20.3	20	15.1	1"	43	33
V3C040032	1-1/4"×25	19.5	25.3	25	20	1-1/4"	53	39.8
V3C050050	1-1/2"×32	22.5	32.3	32	25	1-1/2"	60	42.5
V3C063040	2"×40	26.5	40.4	40	32	2"	71.8	49.5
V3C066050	2-1/4"×50	31	50.3	49.9	42	2-1/4"	85	54
V3C081063	2-3/4"×63	37.8	63.5	62.9	50.2	2-3/4"	97.9	66
V3C095063	3-1/2"×63	37.8	63.5	62.9	50.20	3-1/2"	97.9	66
V3C095075	3-1/2"×75	45	75.5	74.9	70	3-1/2"	118.7	69
V3C110090	4"×90	51	90.55	89.85	85	4"	136	83
V3C140110	5"×110	61	110.6	109.9	105	5"	160	97.3

V TYPE UNION

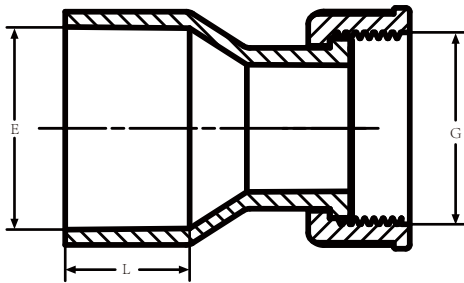
WORK PRESSURE:1/2 "-2 " PN16=232PSI
2 1/4 "-2 3/4 " PN10=150PSI



ITEM NO.	SIZE	I	d	D	H	L
V3B020012	1/2"×12					
V3B025016	3/4"×16					
V3B025020	3/4"×20					
V3B032020	1"×20	14	20.4	1"	43	51.6
V3B032025	1"×25	18	25.5	1"	43	57.1
V3B040025	1-1/4"×25	18	25.5	1-1/4"	53	61
V3B040032	1-1/4"×32	24	32.5	1-1/4"	53	64.7
V3B050032	1-1/2"×32	24	32.5	1-1/2"	60	65.3
V3B050038	1-1/2"×38	31.1	38.8	1-1/2"	60	81.7
V3B063038	2"×38	31.1	38.8	2"	71.8	85
V3B063050	2"×50	42	51	2"	71.8	85
V3B066050	2-1/4"×50	42	51	2-1/4"	85	86.4
V3B075060	2-1/2"×60					
V3B081061	2-3/4"×60					

V TYPE UNION

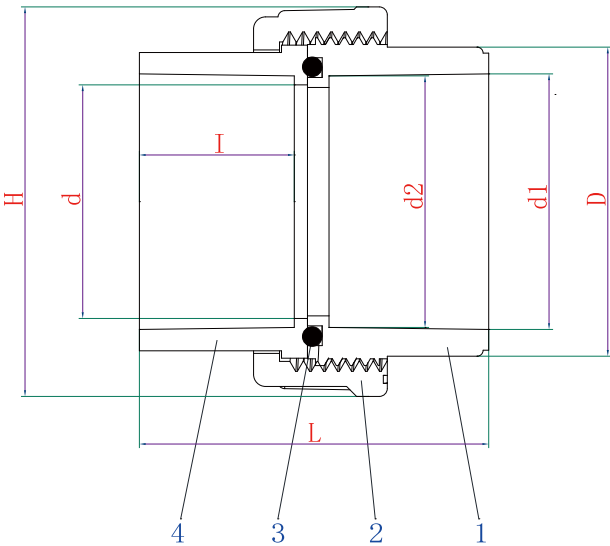
WORK PRESSURE:1/2 "-2 " PN16=232PSI
2 1/2 "-5 " PN10=150PSI



ITEM NO.	SIZE	I	d1	d2	d	D	H	L
V3A025016	3/4" × 16							
V3A025020	3/4" × 20							
V3A025025	3/4" × 25							
V3A032020	1" × 20							
V3A032025	1" × 25							
V3A032032	1" × 32							
V3A040020	1-1/4" × 20							
V3A040025	1-1/4" × 25							
V3A040032	1-1/4" × 32							
V3A040040	1-1/4" × 40							
V3A050025	1-1/2" × 25							
V3A050032	1-1/2" × 32							
V3A050 32/40	1-1/2" × 32/40							
V3A050040	1-1/2" × 40							
V3A050050	1-1/2" × 50							
V3A063032	2" × 32							
V3A063040	2" × 40							
V3A063050	2" × 50							
V3A063 40/50	2" × 40/50							
V3A063063	2" × 63							
V3A066040	2-1/4" × 40							
V3A066050	2-1/4" × 50							
V3A081050	2-3/4" × 50							
V3A081063	2-3/4" × 63							
V3A090063	3" × 63							
V3A090075	3" × 75							
V3A090090	3" × 90							
V3A095063	3-1/2" × 63							
V3A095075	3-1/2" × 75							
V3A095090	3-1/2" × 90							
V3A110075	4" × 75							
V3A110090	4" × 90							
V3A110110	4" × 110							
V3A140075	5" × 75							
V3A140090	5" × 90							
V3A140110	5" × 110							
V3A140125	5" × 125							

F TYPE UNION

WORK PRESSURE:20-63 mm PN16=232PSI
75-110 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1

ITEM NO.	DN	SIZE	I	d1	d2	d	D	H	L
F1020	15	20	19.9	20.3	20	18.1	27.4	44.5	47.3
F1025	20	25	19.9	25.3	25	23.3	32.8	51.4	48.7
F1032	25	32	22.4	32.3	32	31.1	41	60.1	54.6
F1040	32	40	32.7	40.4	40	38.8	51.2	73	72.5
F1050	40	50	33.6	50.3	49.9	42.6	59	83.3	79.1
F1063	50	63	38	63.5	62.9	58	71.8	97.5	87.1
F1075	65	75	41.9	75.5	74.9	58	88.8	118	103.9
F1090	80	90	49.5	90.55	89.85	80.2	104.2	141.4	119.3
F1110	100	110	58	110.6	109.9	97.3	130	176.7	151

Can be installed in a variety of pipeline, union has the advantage of easy installation and removal, now widely used in civil construction, water treatment and other fields.



ITEM NO.	F1020	F1025	F1032	F1040	F1050	F1063	F1075	F1090	F1110
SIZE	20	25	32	40	50	63	75	90	110



ITEM NO.	F5020	F5025	F5032	F5040	F5050	F5063
SIZE	1/2 "	3/4 "	1 "	1-1/4"	1-1/2"	2 "



ITEM NO.	F6020	F6025	F6032	F6040	F6050	F6063
SIZE	1/2 "	3/4 "	1 "	1-1/4"	1-1/2"	2 "



ITEM NO.	F7020	F7025	F7032	F7040	F7050	F7063
SIZE	1/2 "	3/4 "	1 "	1-1/4"	1-1/2"	2 "



ITEM NO.	F6720	F6725	F6732	F6740	F6750	F6763
SIZE	1/2 "	3/4 "	1 "	1-1/4"	1-1/2"	2 "



ITEM NO.	F7720	F7725	F7732	F7740	F7750	F7763
SIZE	1/2 "	3/4 "	1 "	1-1/4"	1-1/2"	2 "



ITEM NO.	U1032 040
SIZE	1 "



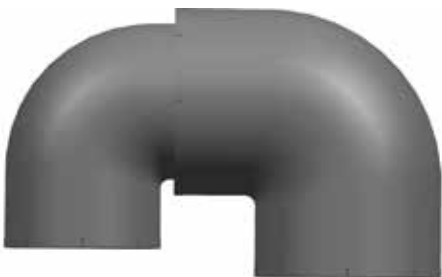
SCH80

ITEM NO.	U4090	U4110
SIZE	3 "	4 "

PRO-FIT PRODUCT ADVANTAGE



45° angle markings on the front surface of the branch connection.



45° angle markings on socket and branch outlets for precise angular installation.

Direct connection of fitting to fitting without an additional piece of pipe.



Dry connectable, adapted to pipes.

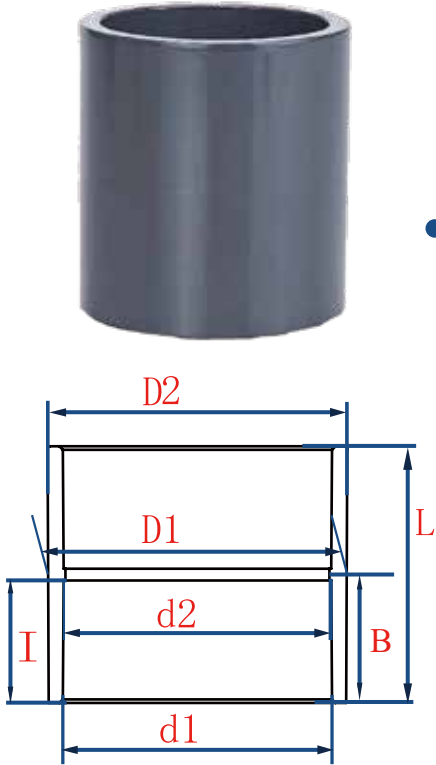
Branch outlet combined with reduced socket outlet

Integrated adhesive length marking for fast and secure processing.



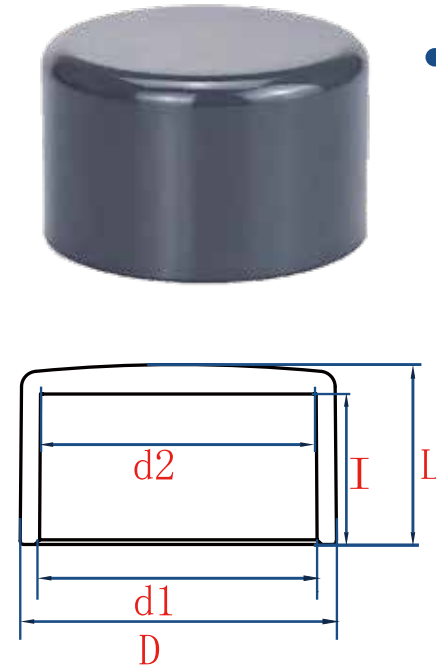
Traceability through production data marking.

Connection dimensions are indicated on each outlet.



● COUPLING (S×S)

ITEM NO.	SIZE	D1	D2	d1	d2	I	B	L
Z1P020	20/25	25.1	25	20.3	20	16	19	38.5
Z1P025	25/32							
Z1P032	32/40	40.1	40	32.3	32	22.5	26.5	53.5
Z1P040	40/50							
Z1P050	50/63	63.1	63	50.5	49.9	31	38	76.5
Z1P063	63/75	75.1	75	63.5	62.9	38	44	88.5
Z1P075	75/90	90.1	90	75.5	74.9	44	51	102.5
Z1P090	90/110	110.1	110	90.5	89.8	51	61	122.5
Z1P110	110/125	125.1	125	110.6	109.9	61	69	138.5
Z1P125	125/140	140.1	140	125.7	125	69	76	152.5
Z1P140	140/160							
Z1P160	160/180	180.1	180	160.9	160	86	96	192.5
Z1P200	200/225	225.1	225	201.1	200	106	118.5	237.5

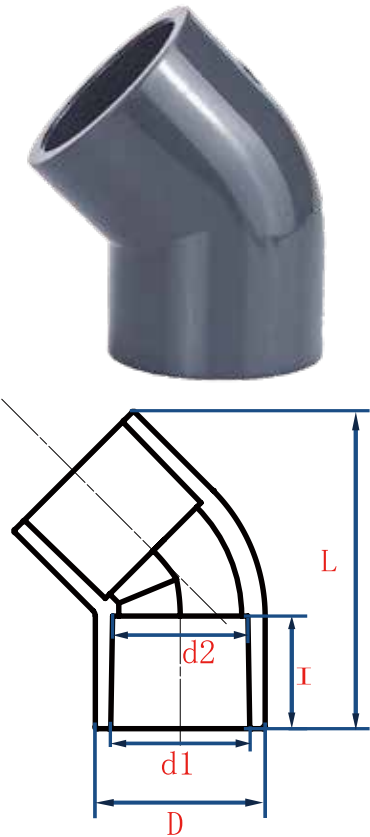


● CAP

ITEM NO.	SIZE	d1	d2	D	I	L
Z2A020	20/25	20.3	20	25	16	22
Z2A025	25/32	25.3	24.9	32	19	25.5
Z2A032	32/40	32.3	32	40	22.5	29.5
Z2A040	40/50	40.4	39.9	50	26.5	34
Z2A050	50/63	50.5	49.9	63	31	41
Z2A063	63/75	63.5	62.9	75	38	47
Z2A075	75/90	75.5	74.9	90	48	54
Z2A090	90/110	90.5	89.8	110	51	64
Z2A110	110/125	110.6	109.9	125	61	72
Z2A125	125/140	125.7	125	140	69	79
Z2A140	140/160					
Z2A160	160/180	160.9	160	180	86	99
Z2A200	200/225	201.1	200	225	106	121.5

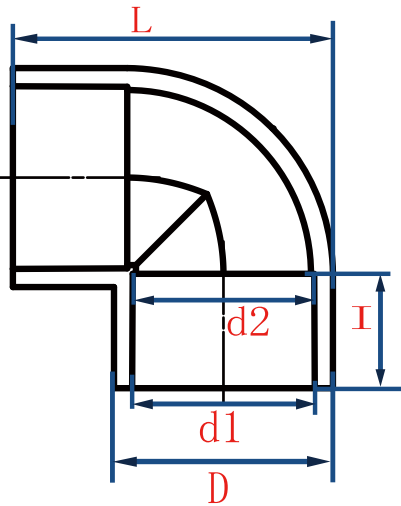
● ELBOW-45DEG (S×S)

ITEM NO.	SIZE	D	d1	d2	I	L
Z4A020	20	25.35	20.3	20	16	45.9
Z4A025	25	32	25.3	25	19	55.2
Z4A032	32	39.4	32.3	32	22.5	66
Z4A040	40	48.5	40.4	40	26.5	79
Z4A050	50	60.3	50.5	49.9	31	94.5
Z4A063	63	75.2	63.5	62.9	38	116.6
Z4A075	75	87.6	75.5	74.9	44	135.2
Z4A090	90	104.6	90.5	89.8	51	160.2
Z4A110	110	127	110.6	109.9	61	192.2



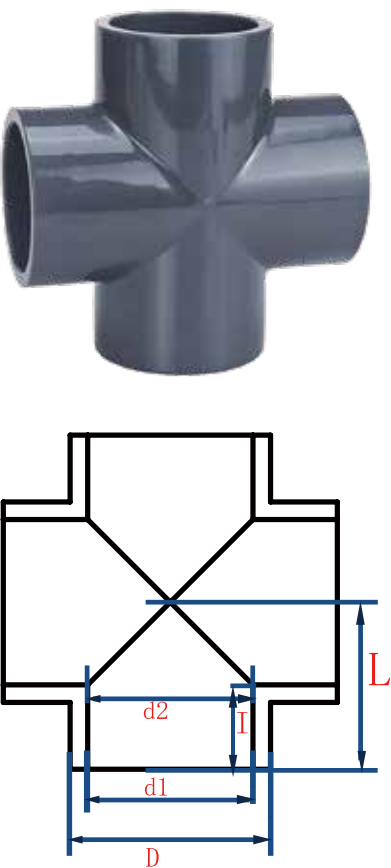
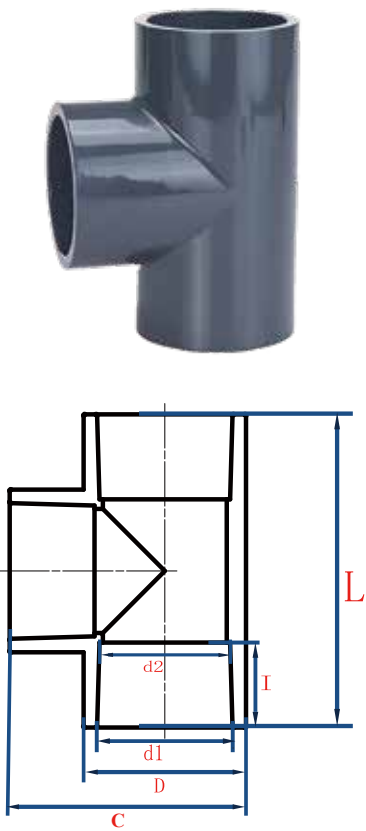
● ELBOW-90DEG (S×S)

ITEM NO.	SIZE	D	d1	d2	I	L
Z6A020	20	25.35	20.3	20	16	39.7
Z6A025	25	32	25.3	25	19	48.5
Z6A032	32	39.4	32.3	32	22.5	59.2
Z6A040	40	48.5	40.4	40	26.5	71.7
Z6A050	50					
Z6A063	63	75.2	63.5	62.9	38	108.1
Z6A075	75	87.6	75.5	74.9	44	126.3
Z6A090	90	104.6	90.5	89.8	51	150.3
Z4A110	110	127	110.6	109.9	61	181.5
Z6A125	125					
Z6A140	140					
Z6A160	160					
Z6A200	200					



TEE (S×S×S)

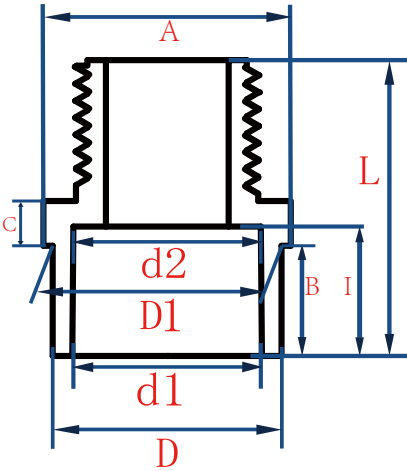
ITEM NO.	SIZE	D	d1	d2	I	C	L
Z3A020	20	25.35	20.3	20	16	39.7	54
Z3A025	25	32	25.3	25	19	48.5	65
Z3A032	32	39.4	32.3	32	22.5	59.2	79
Z3A040	40	48.5	40.4	40	26.5	71.7	94.9
Z3A050	50	60.3	50.5	49.9	31	87.2	114
Z3A063	63	75.2	63.5	62.9	38	108.1	141
Z3A075	75	87.6	75.5	74.9	44	126.3	165
Z3A090	90	104.6	90.5	89.8	51	150.3	196
Z3A110	110	127	110.6	109.9	61	181.5	236
Z3A125	125						
Z3A140	140						
Z3A160	160						
Z3A200	200						



CROSS (S×S)

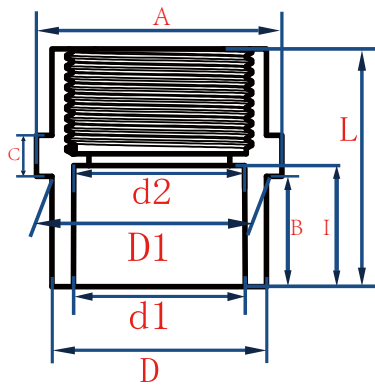
ITEM NO.	SIZE	D	d1	d2	I	L
Z7A020	20	27	20.3	19.9	16	12
Z7A025	25	33	25.3	24.9	19	15
Z7A032	32	40.8	32.3	31.8	22	18.6
Z7A040	40	51	40.4	39.8	26	23
Z7A050	50	61.5	50.5	49.7	31	27.6
Z7A063	63	76	63.5	62.7	38	35
Z7A075	75	88	75.5	74.7	44	42
Z7A090	90	104	90.5	89.6	51	49
Z7A110	110	126	110.6	109.6	61	58
Z7A140	140	160	140.8	139.5	76	73
Z7A160	160	184	160.9	159.4	86	85
Z7A225	225	253	201.1	199.3	118	117

MALE ADAPTOR (M×H)



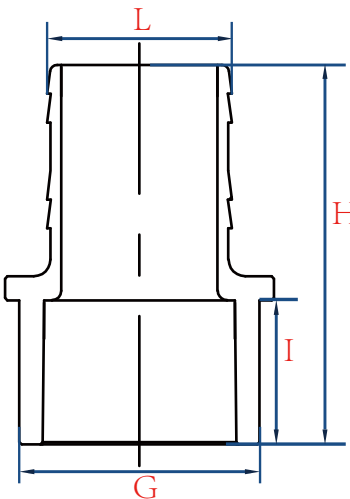
ITEM NO.	SIZE	D	D1	d1	d2	A	B	C	I	L
Z1G012016	12/16x3/8"	15.9	16.3	20.3	19.9	26	14	10	12	35
Z1G016016	16/20x3/8"	20	20.3	16.3	15.9	26	16	10	14	37
Z1G016020	16/20x1/2"	20	20.3	16.3	15.9	31	16	10	14	41
Z1G020016	20/25x3/8"	25	25.3	20.3	20	33	19	10	16	40
Z1G020020	20/25x1/2"	25	25.3	20.3	20	33	19	10	16	44
Z1G020025	20/25x3/4"	25	25.3	20.3	20	33	19	10	16	44
Z1G025020	25/32x1/2"	32	32.3	25.3	25	33	22.5	10	19	47
Z1G025025	25/32x3/4"	32	32.3	25.3	25	33	22.5	10	19	47
Z1G025032	25/32x1"	32	32.3	25.3	25	41	22.6	10	19	51
Z1G032025	32/40x3/4"	40.4	40	32.3	32	41	26.5	10	22.5	51.5
Z1G032032	32/40x1"	40.4	40	32.3	32	41	26.5	10	22.5	55.5
Z1G032040	32/40x1-1/4"	40.4	40	32.3	32	51	26.5	10	22.5	56.5
Z1G040032	40/50x1"	50.5	49.9	40.4	40	51	31	10	26.5	60
Z1G040040	40/50x1-1/4"	50.5	49.9	40.4	40	51	31	10	26.5	61
Z1G040050	40/50x1-1/2"	50.5	49.9	40.4	40	59	31	10	26.5	61
Z1G050032	50/63x1"	63.5	62.9	50.5	49.9	64	38	12	31	69
Z1G050040	50/63x1-1/4"	63.5	62.9	50.5	49.9	64	38	12	31	70
Z1G050050	50/63x1-1/2"	63.5	62.9	50.5	49.9	64	38	12	31	70
Z1G050063	50/63x2"	63.5	62.9	50.5	49.9	74	38	12	31	74
Z1G050075	50/63x2-1/2"	63.5	62.9	50.5	49.9		38		31	
Z1G063050	63/75x1-1/2"	75.5	74.9	63.5	62.9		44		38	
Z1G063063	63/75x2"	75.5	74.9	63.5	62.9		44		38	
Z1G063075	63/75x2-1/2"	75.5	74.9	63.5	62.9		44		38	
Z1G063090	63/75x3"	75.5	74.9	63.5	62.9		44		38	
Z1G075063	75/90x2"	90.55	89.85	75.5	74.9		51		44	
Z1G075075	75/90x2-1/2"	90.55	89.85	75.5	74.9		51		44	
Z1G075090	75/90x3"	90.55	89.85	75.5	74.9		51		44	
Z1G090075	90/110x2-1/2"	110.6	109.9	90.55	89.85		61		51	
Z1G090090	90/110x3"	110.6	109.9	90.55	89.85		61		51	
Z1G090110	90/110x4"	110.6	109.9	90.55	89.85		61		51	

FEMALE ADAPTOR (F×S)



ITEM NO.	SIZE	D	D1	d1	d2	A	B	C	I	L
Z1E016012	16/20x1/4"	20	20.3	16.3	15.9		16		14	
Z1E016016	16/20x3/8"	20	20.3	16.3	15.9	26	16	10	14	33
Z1E016020	16/20x1/2"	20	20.3	16.3	15.9	31	16	10	14	37
Z1E016025	16/20x3/4"	20	20.3	16.3	15.9	33	16	10	14	36.5
Z1E020020	20/25x1/2"	25	25.3	20.3	20	33	19	10	16	40
Z1E020025	20/25x3/4"	25	25.3	20.3	20	33	19	10	16	39.5
Z1E020032	20/25x1"	25	25.3	20.3	20	41	19	10	16	45.5
Z1E025020	25/32x1/2"	32	32.3	25.3	25	33	22.5	10	19	43
Z1E025025	25/32x3/4"	32	32.3	25.3	25	33	22.5	10	19	42.5
Z1E025032	25/32x1"	32	32.3	25.3	25	41	22.5	10	19	49
Z1E025040	25/32x1-1/4"	32	32.3	25.3	25	51	22.5	10	19	51
Z1E032020	32/40x1/2"	40.4	40	32.3	32	41	26.5	10	22.5	47.5
Z1E032025	32/40x3/4"	40.4	40	32.3	32	41	26.5	10	22.5	46.5
Z1E032032	32/40x1"	40.4	40	32.3	32	41	26.5	10	22.5	53
Z1E032040	32/40x1-1/4"	40.4	40	32.3	32	51	26.5	10	22.5	55
Z1E032050	32/40x1-1/2"	40.4	40	32.3	32	59	26.5	12	22.5	55.5
Z1E040032	40/50x1"	50.5	49.9	40.4	40	51	31	10	26.5	57.5
Z1E040040	40/50x1-1/4"	50.5	49.9	40.4	40	51	31	10	26.5	59.5
Z1E040050	40/50x1-1/2"	50.5	49.9	40.4	40	59	31	12	26.5	59.5
Z1E040063	40/50x2"	63.5	62.9	50.5	49.9	74	31	12	31	63.5
Z1E050032	50/63x1"	63.5	62.9	50.5	49.9	64	38	12	31	66.5
Z1E050040	50/63x1-1/4"	63.5	62.9	50.5	49.9	64	38	12	31	68.5
Z1E050050	50/63x1-1/2"	63.5	62.9	50.5	49.9	64	38	12	31	66.5
Z1E050063	50/63x2"	63.5	62.9	50.5	49.9	74	38	12	31	70.5
Z1E050075	50/63x2-1/2"	75.5	74.9	63.5	62.9		38		38	
Z1E063050	63/75x1-1/2"	75.5	74.9	63.5	62.9		44		38	
Z1E063063	63/75x2"	75.5	74.9	63.5	62.9		44		38	
Z1E063075	63/75x2-1/2"	75.5	74.9	63.5	62.9		44		38	
Z1E063090	63/75x3"	90.55	89.85	75.5	74.9		44		44	
Z1E075075	75/90x2-1/2"	90.55	89.85	75.5	74.9		51		44	
Z1E075090	75/90x3"	90.55	89.85	75.5	74.9		51		44	
Z1E090090	90/110x3"	110.6	109.9	90.55	89.85		61		51	
Z1E090110	90/110x4"	110.6	109.9	90.55	89.85		61		51	

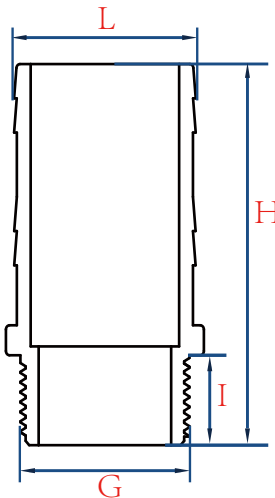
HOSE CONNECTOR



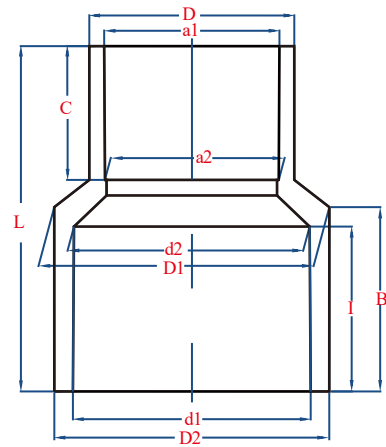
ITEM NO.	SIZE	I	G	L	H
UR0200811	20×8				
UR0201011	20×10				
UR0201211	20×12				
UR0201611	20×16				
UR0251211	25×12				
UR0251611	25×16				
UR0252011	25×20				
UR0321611	32×16				
UR0322011	32×20				
UR0322511	32×25				
UR0323211	32×32	25	32.5	32.5	65.1
UR0403811	40×38	30	50	38.5	79

HOSE CONNECTOR

ITEM NO.	SIZE	I	G	L	H
UR0161645	3/8"×16	11.5	3/8"	16.4	42.1
UR0200845	1/2"×8				
UR0201045	1/2"×10				
UR0201245	1/2"×12				
UR0201645	1/2"×16				
UR0202045	1/2"×20	15	1/2"	20.4	51
UR0251245	3/4"×12				
UR0251645	3/4"×20				
UR0252045	3/4"×25	16.5	3/4"	25.5	59.1
UR0321645	1"×16				
UR0322045	1"×20				
UR0322545	1"×25				
UR0323245	1"×32	22	1"	32.5	69.05
UR0404045	1-1/4"×40	21	1-1/4"	39	89
UR0504045	1-1/2"×40	21	1-1/2"	41.2	77
UR0505045	1-1/2"×50	21	1-1/2"	51	89

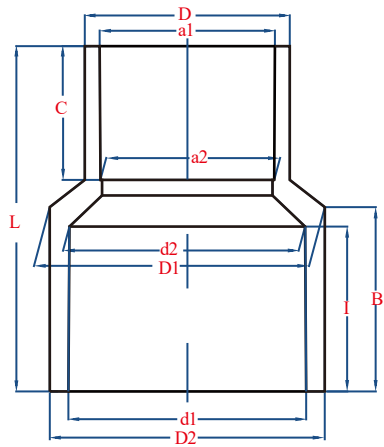


● REDUCING COUPLING



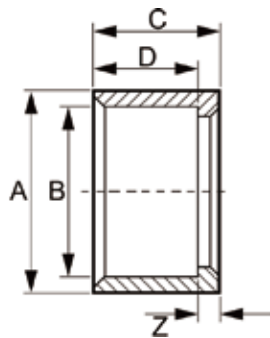
ITEM NO.	SIZE	d1	d2	D1	D2	I	B	a1	a2	C	D	L
Z1Q020016	20/25×16	20.3	20	25.3	25	16	19	16.3	15.9	14	20.5	39
Z1Q025016	25/32×16	25.3	24.9	32.1	32	19	22.5	16.3	15.9	14	20.5	39
Z1Q025020	25/32×20	25.3	24.9	32.1	32	19	22.5	20.3	19.9	16	24.5	41
Z1Q032016	32/40×16	32.3	32	40.1	40	22.5	26.5	16.3	15.9	14	20.5	44.5
Z1Q032020	32/40×20	32.3	32	40.1	40	22.5	26.5	20.3	19.9	16	24.5	47.5
Z1Q032025	32/40×25	32.3	32	40.1	40	22.5	26.5	25.3	24.9	19	29.5	49.5
Z1Q040020	40/50×20	40.4	39.9	50.1	50	26.5	31	20.3	19.9	16	24.5	51.5
Z1Q040025	40/50×25	40.4	39.9	50.1	50	26.5	31	25.3	24.9	19	29.5	57.5
Z1Q040032	40/50×32	40.4	39.9	50.1	50	26.5	31	32.3	31.9	22.5	37	58
Z1Q050020	50/63×20	50.5	49.9	63.1	63	31	38	20.3	19.9	16	24.5	66
Z1Q050025	50/63×25	50.5	49.9	63.1	63	31	38	25.3	24.9	19	29.5	69
Z1Q050032	50/63×32	50.5	49.9	63.1	63	31	38	32.3	31.9	22.5	37	65.5
Z1Q050040	50/63×40	50.5	49.9	63.1	63	31	38	40.4	39.9	16	46.6	69.5
Z1Q063020	63/75×20	63.5	62.9	75.1	75	38	44	20.3	19.9	19	24.5	73
Z1Q063025	63/75×25	63.5	62.9	75.1	75	38	44	25.3	24.9	22.5	29.5	76
Z1Q063032	63/75×32	63.5	62.9	75.1	75	38	44	32.3	31.9	26.5	37	72.5
Z1Q063040	63/75×40	63.5	62.9	75.1	75	38	44	40.4	39.9	16	46.6	81.7
Z1Q063050	63/75×50	63.5	62.9	75.1	75	38	44	50.5	49.8	19	58	81.3
Z1Q075050	75/90×50	75.5	74.9	90.1	90	44	51	50.5	49.8	31	58	92.5
Z1Q075063	75/90×63/75	75.5	74.9	90.1	90	44	51	63.5	62.8	38	75	99.1
Z1Q090050	90/110×50	90.5	89.8	110.1	110	51	61	50.5	49.8	31	58	110
Z1Q090063	90/110×63	90.5	89.8	110.1	110	51	61	63.5	62.8	38	73	110.5
Z1Q090075	90/110×75	90.5	89.8	110.1	110	51	61	75.5	74.8	44	87	110.7
Z1Q110050	110/125×50	110.6	109.9	125.1	125	61	69	50.5	49.8	31	58	126
Z1Q110063	110/125×63	110.6	109.9	125.1	125	61	69	63.5	62.8	38	73	126.5
Z1Q110075	110/125×75	110.6	109.9	125.1	125	61	69	75.5	74.8	44	87	127.8
Z1Q110090	110/125×90	110.6	109.9	125.1	125	61	69	90.5	89.7	51	104	129

● REDUCING COUPLING



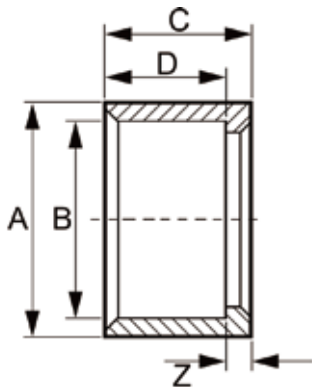
ITEM NO.	SIZE	d1	d2	D1	D2	I	B	a1	a2	C	D	L
Z1Q125063	125/140×63	125.7	125	140.1	140	69	76	63.5	62.8	38	73	134.5
Z1Q125075	125/140×75	125.7	125	140.1	140	69	76	75.5	74.8	44	87	135.8
Z1Q125090	125/140×90	125.7	125	140.1	140	69	76	90.5	89.7	51	104	143.8
Z1Q125110	125/140×110	125.7	125	140.1	140	69	76	110.6	109.8	61	124	149
Z1Q140090	140/160×90	140.1	140	160.9	160	69	86	90.5	89.7	51	104	173
Z1Q140110	140/160×110	140.1	140	160.9	160	69	86	110.6	109.8	61	124	185
Z1Q140125	140/160×125	140.1	140	160.9	160	69	86	125.7	25	69	140.5	194
Z1Q160110	160/180×110	160.9	160	180.1	180	86	96	110.6	109.8	61	124	175
Z1Q160125	160/180×125	160.9	160	180.1	180	86	96	125.7	125	69	140.5	183
Z1Q160140	160/180×140	160.9	160	180.1	180	86	96	140.1	140	76	156.7	183
Z1Q200110	200/225×110	201.1	200	225.1	225	106	118.5	110.6	109.8	61	124	197
Z1Q200125	200/225×125	201.1	200	225.1	225	106	118.5	125.7	125	69	140.5	205
Z1Q200160	200/225×160	201.1	200	225.1	225	106	118.5	160.9	160	86	180	222

● BUSHING



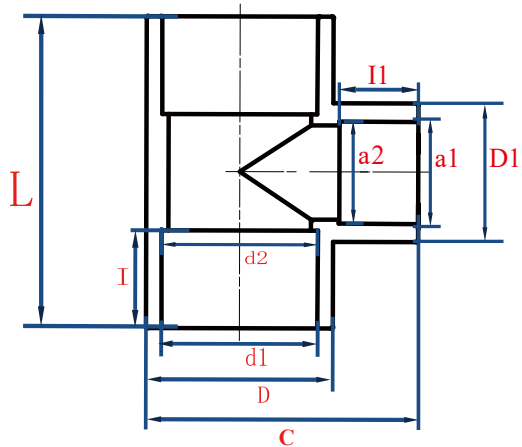
ITEM NO.	SIZE	A	B	C	D	Z
Z5D016012	16 x 12	16	12	14	12	2
Z5D020010	20 x 10	20	10	16	12	4
Z5D020012	20 x 12	20	12	16	12	4
Z5D020016	20 x 16	20	16	16	14	2
Z5D025012	25 x 12	25	12	19	12	7
Z5D025016	25 x 16	25	16	19	14	5
Z5D025020	25 x 20	25	20	19	16	3
Z5D032016	32 x 16	32	16	22	14	8
Z5D032020	32 x 20	32	20	22	16	6
Z5D032025	32 x 25	32	25	22	19	3
Z5D040016	40 x 16	40	16	26	14	12
Z5D040020	40 x 20	40	20	26	16	10
Z5D040025	40 x 25	40	25	26	19	7
Z5D040032	40 x 32	40	32	26	22	4
Z5D050020	50 x 20	50	20	31	16	15
Z5D050025	50 x 25	50	25	31	19	12
Z5D050032	50 x 32	50	32	31	22	9
Z5D050040	50 x 40	50	40	31	26	5
Z5D063032	63 x 32	63	32	38	22	16
Z5D063040	63 x 40	63	40	38	26	12
Z5D063050	63 x 50	63	50	38	31	7
Z5D075040	75 x 40	75	40	44	26	18
Z5D075050	75 x 50	75	50	44	31	13
Z5D075063	75 x 63	75	63	44	38	6
Z5D090050	90 x 50	90	50	51	31	20

● BUSHING



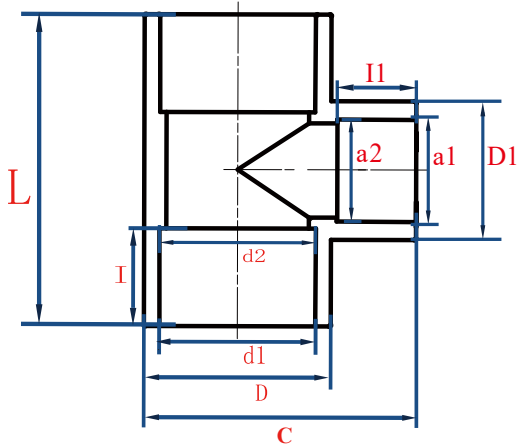
ITEM NO.	SIZE	A	B	C	D	Z
Z5D090063	90 x 63	90	63	51	38	13
Z5D090075	90 x 75	90	75	51	44	7
Z5D110050	110 x 50	110	50	61	31	30
Z5D110063	110 x 63	110	63	61	38	23
Z5D110075	110 x 75	11	75	61	44	17
Z5D110090	110 x 90	110	90	61	51	10
Z5D125075	125 x 75	125	75	69	44	25
Z5D125090	125 x 90	125	90	69	51	18
Z5D125110	125 x 110	125	110	69	61	8
Z5D160090	160 x 90	160	90	86	51	35
Z5D160110	160 x 110	160	110	86	61	25
Z5D160125	160 x 125	160	125	86	69	17
Z5D200100	200 x 110	200	110	106	61	45
Z5D200125	200 x 125	200	125	106	69	37
Z5D200160	200 x 160	200	160	106	86	20
Z5D250160	250 x 160	250	160	131	86	45
Z5D250225	250 x 225	250	225	131	119	12
Z5D315200	315 x 200	315	200	164	107	57
Z5D315250	315 x 250	315	250	164	119	33

● REDUCING TEE



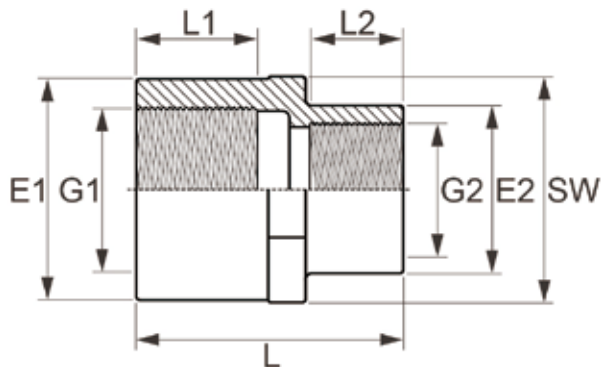
ITEM NO.	SIZE	D	D1	d1	d2	a1	a2	I	I1	C	L
Z3C020016	20 x 16	24.3	20.3	20.3	20	16.3	15.9	16	14	40	54
Z3C025016	25 x 16	29.3	20.3	25.3	25	16.3	15.9	19	14	46	66
Z3C025020	25 x 20	29.3	24.3	25.3	25	20.3	20	19	16	48	65
Z3C032016	32 x 16	37.1	20.3	32.3	32	16.3	15.9	22.5	14	51	78
Z3C032020	32 x 20	37.1	24.3	32.3	32	20.3	20	22.5	16	53.5	78
Z3C032025	32 x 25	37.1	29.3	32.3	32	25.3	25	22.5	19	57	75
Z3C040016	40 x 16	46.4	20.3	40.4	40	16.3	15.9	26.5	14	60.5	96
Z3C040020	40 x 20	46.4	24.3	40.4	40	20.3	20	26.5	16	63	96
Z3C040025	40 x 25	46.4	29.3	40.4	40	25.3	25	26.5	19	67	82.5
Z3C040032	40 x 32	46.4	37.1	40.4	40	32.3	32	26.5	22.5	69	96
Z3C050020	50 x 20	57.9	24.3	50.5	49.9	20.3	20	31	16	76	89
Z3C050025	50 x 25	57.9	29.3	50.5	49.9	25.3	25	31	19	79	94.5
Z3C050032	50 x 32	57.9	37.1	50.5	49.9	32.3	32	31	22.5	80	100
Z3C050040	50 x 40	57.9	46.4	50.5	49.9	40.4	40	31	26.5	86	111
Z3C063020	63 x 20	68.9	24.3	63.5	62.9	20.3	20	38	16	85.5	142
Z3C063025	63 x 25	68.9	29.3	63.5	62.9	25.3	25	38	19	91	142
Z3C063032	63 x 32	68.9	37.1	63.5	62.9	32.3	32	38	22.5	93	142
Z3C063040	63 x 40	68.9	46.4	63.5	62.9	40.4	40	38	26.5	98	142
Z3C063050	63 x 50	68.9	57.9	63.5	62.9	50.5	50	38	31	104	129
Z3C075032	75 x 32	86.7	37.1	75.5	74.9	32.3	32	44	22.5	107	164
Z3C075040	75 x 40	86.7	46.4	75.5	74.9	40.4	40	44	26.5	109	166
Z3C075050	75 x 50	86.7	57.9	75.5	74.9	50.6	49.9	44	31	114	164
Z3C075063	75 x 63	86.7	68.9	75.5	74.9	63.5	62.9	44	38	122	166
Z3C090032	90 x 32	103.95	37.1	90.55	89.85	32.3	32	51	22.5	125	140
Z3C090040	90 x 40	103.95	46.4	90.55	89.85	40.4	40	51	26.5	125	194
Z3C090050	90 x 50	103.95	57.9	90.55	89.85	50.5	49.9	51	31	131	196
Z3C090063	90 x 63	103.95	68.9	90.55	89.85	63.5	62.9	51	38	139	170
Z3C090075	90 x 75	103.95	86.7	90.55	89.85	75.5	74.9	51	44	142	197

● REDUCING TEE



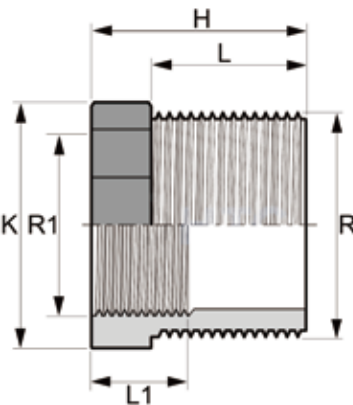
ITEM NO.	SIZE	D	D1	d1	d2	a1	a2	I	I1	C	L
Z3C110032	110 x 32	123.8	37.1	110.6	109.9	32.3	32	61	22.5	148	160
Z3C110040	110 x 40	123.8	46.4	110.6	109.9	40.4	40	61	26.5	148	236
Z3C110050	110 x 50	123.8	57.9	110.6	109.9	50.5	49.9	61	31	154	236
Z3C110063	110 x 63	123.8	68.9	110.6	109.9	63.5	62.9	61	38	161	236
Z3C110075	110 x 75	123.8	86.7	110.6	109.9	75.5	74.9	61	44	168	236
Z3C110090	110 x 90	123.8	103.95	110.6	109.9	90.55	89.85	61	51	175	236
Z3C125063	125 x 63	140.5	68.9	125.7	124.8	63.5	62.9	69	38	175	264
Z3C125075	125 x 75	140.5	86.7	125.7	124.8	75.5	74.9	69	44	180	264
Z3C125090	125 x 90	140.5	103.95	125.7	124.8	90.55	89.85	69	51	188	264
Z3C125110	125 x 110	140.5	123.8	125.7	124.8	125.7	124.8	69	61	197	264
Z3C160032	160 x 32	179.9	37.1	160.9	159.8	32.3	32	86	22.5	193	335
Z3C160040	160 x 40	179.9	46.4	160.9	159.8	40.4	40	86	26.5	196	335
Z3C160050	160 x 50	179.9	57.9	160.9	159.8	50.5	49.9	86	31	196	335
Z3C160063	160 x 63	179.9	68.9	160.9	159.8	63.5	62.9	86	38	208	335
Z3C160075	160 x 75	179.9	86.7	160.9	159.8	75.5	74.9	86	44	213	335
Z3C160090	160 x 90	179.9	103.95	160.9	159.8	90.55	89.85	86	51	226	334
Z3C160110	160 x 110	179.9	123.8	160.9	159.8	110.6	109.9	86	61	235	334
Z3C160125	160 x 125	179.9	140.5	160.9	159.8	125.7	124.8	86	69	235	334
Z3C200032	200 x 32	224.9	37.1	201.1	199.7	32.3	32	106	22.5	234	417
Z3C200040	200 x 40	224.9	46.4	201.1	199.7	40.4	40	106	26.5	238	417
Z3C200050	200 x 50	224.9	57.9	201.1	199.7	50.5	49.9	106	31	244	417
Z3C200063	200 x 63	224.9	68.9	201.1	199.7	63.5	62.9	106	38	252	417
Z3C200075	200 x 75	224.9	86.7	201.1	199.7	75.5	74.9	106	44	255	417
Z3C200090	200 x 90	224.9	103.95	201.1	199.7	90.55	89.85	106	51	264	417
Z3C200110	200 x 110	224.9	123.8	201.1	199.7	110.6	109.9	106	61	273	417
Z3C200125	200 x 125	224.9	140.5	201.1	199.7	125.7	124.8	106	69	283	418
Z3C200160	200 x 160	224.9	179.9	201.1	199.7	160.9	159.8	106	86	301	418
Z3C225125	225 x 125	253.1	140.5	226.3	224.7	125.7	124.8	118.5	69	336	468
Z3C225160	225 x 160	253.1	179.9	226.3	224.7	160.9	159.8	118.5	86	334	468
Z3C225200	225 x 200	253.1	224.9	226.3	224.7	201.1	199.7	118.5	106	350	466

● REDUCING ADAPTOR (F×F)



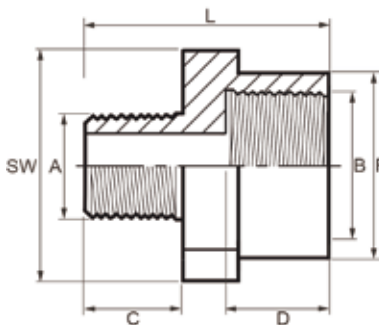
ITEM NO.	SIZE	E1	E2	G1	G2	L	L1	L2	SW
Z1C016012	3/8" x 1/4"	15	11	3/8"	1/4"	29	12	12	27
Z1C020016	1/2" x 3/8"	28	23	1/2"	3/8"	33	15	12	30
Z1C025016	3/4" x 3/8"	33	27	3/4"	3/8"	42	16	15	36
Z1C025020	3/4" x 1/2"	34	28	3/4"	1/2"	38	19	16	35.5
Z1C032016	1" x 3/8"	41	27	1"	3/8"	46	20	15	46
Z1C032020	1" x 1/2"	41	27	1"	1/2"	47.5	20	15	46
Z1C032025	1" x 3/4"	42	34	1"	3/4"	43	19.1	16.3	46
Z1C040020	1-1/4" x 1/2"	50	27	1-1/4"	1/2"	54	24	18	55
Z1C040025	1-1/4" x 3/4"	50	33	1-1/4"	3/4"	55	24	18	55
Z1C040032	1-1/4" x 1"	51	42	1-1/4"	1"	49.5	24	22	55
Z1C050025	1-1/2" x 3/4"	63	33	1-1/2"	3/4"	64	32	27	65
Z1C050032	1-1/2" x 1"	63	41	1-1/2"	1"	66	29	28	65
Z1C050040	1-1/2" x 1-1/4"	58	51	1-1/2"	1-1/4"	51	24	23	65
Z1C063032	2" x 1"	75	41	2"	1"	75	34	20	79
Z1C063040	2" x 1-1/4"	75	50	2"	1-1/4"	77	33	23	79
Z1C063050	2" x 1-1/2"	72	58	2"	1-1/2"	55	28	23	74
Z1C075063	2-1/2" x 2"	89	72	2-1/2"	2"	66.5	33	28	89
Z1C090075	3" x 2-1/2"	103	89	3"	2-1/2"	75	38	34	105
Z1C110090	4" x 3"	130	103	4"	3"	85	40	34	130

● REDUCING BUSH (F×M)



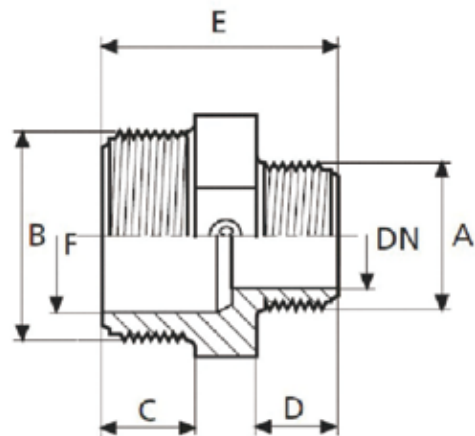
ITEM NO.	SIZE	H	K	L	L1	R	R1
Z5C020010	1/2" x 1/8"	26	24	16	6	1/2"	1/8"
Z5C020012	1/2" x 1/4"	26	24	16	12	1/2"	1/4"
Z5C025010	3/4" x 1/8"	28	32	16	7	3/4"	1/8"
Z5C025012	3/4" x 1/4"	28	32	16	12	3/4"	1/4"
Z5C025020	3/4" x 1/2"	28	32	16	11	3/4"	1/2"
Z5C032012	1" x 1/4"	32	40	19	12	1"	1/4"
Z5C032025	1" x 3/4"	32	40	19	14	1"	3/4"
Z5C040032	1-1/4" x 1"	34	50	21	20	1-1/4"	1"
Z5C050040	1-1/2" x 1-1/4"	35	55	21	20	1-1/2"	1-1/4"
Z5C063050	2" x 1-1/2"	40	65	25	20	2"	1-1/2"
Z5C075063	2-1/2" x 2"	47	80	31	42	2-1/2"	2"
Z5C090075	3" x 2-1/2"	50	95	34	44	3"	2-1/2"
Z5C110090	4" x 3"	57	120	39	49	4"	3"

● REDUCING ADAPTOR (F×M)



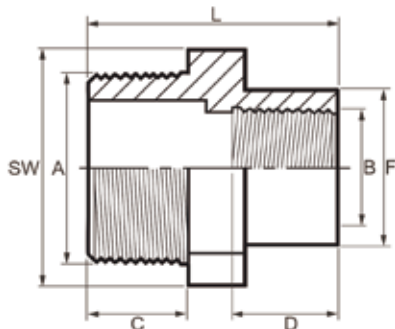
ITEM NO.	SIZE	A	B	C	D	DN	F	L	SW
Z1B016012	3/8" x 1/4"	1/4"	3/8"	12	14	8	24.5	33	27
Z1B020016	1/2" x 3/8"	3/8"	1/2"	10.5	19	10	27	34	27
Z1B025020	3/4" x 1/2"	1/2"	3/4"	14.5	20	14	34	40.5	36
Z1B050040	1-1/2" x 1-1/4"	1-1/4"	1-1/2"	22	25	30	60	54	65
Z1B063050	2" x 1-1/2"	1-1/2"	2"	21	30	38	74	58	74
Z1B075063	2-1/2" x 2"	2"	2-1/2"	26	35	45	88.5	70	89
Z1B090075	3" x 2-1/2"	2-1/2"	3"	30	40	60	103	79	105
Z1B110090	4" x 3"	3"	4"	33	46	71.5	129.5	88	130

● REDUCING ADAPTOR (M×M)



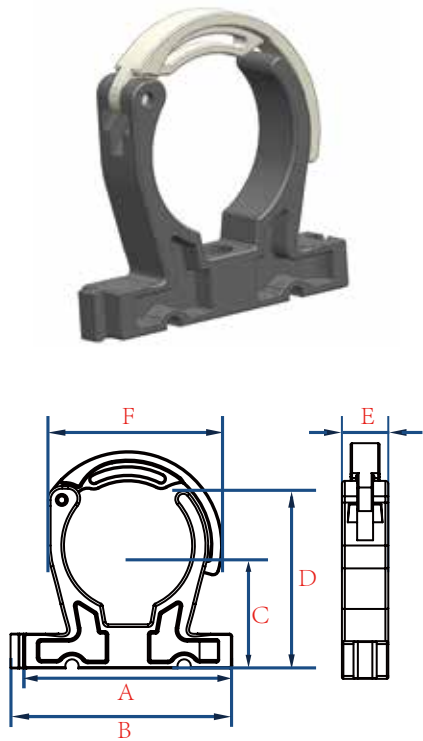
ITEM NO.	SIZE	A	B	C	D	DN	E	F
Z1D016012	3/8" x 1/4"	1/4"	3/8"	15	13	–	36	9.8
Z1D020016	1/2" x 3/8"	3/8"	1/2"	25	11	10	36	14
Z1D025016	3/4" x 3/8"	3/8"	3/4"	16	11	10	39	18
Z1D025020	3/4" x 1/2"	1/2"	3/4"	16	15	15	43	18
Z1D032016	1" x 3/8"	3/8"	1"	19	11	10	48	24
Z1D032020	1" x 1/2"	1/2"	1"	19	15	15	48	24
Z1D032025	1" x 3/4"	3/4"	1"	19	16	20	48	24
Z1D040020	1-1/4" x 1/2"	1/2"	1-1/4"	21	15	15	48	31
Z1D040025	1-1/4" x 3/4"	3/4"	1-1/4"	21	16	20	50	31
Z1D040032	1-1/4" x 1"	1"	1-1/4"	21	19	25	53	31
Z1D050020	1-1/2" x 1/2"	1/2"	1-1/2"	22	15	12	58	35
Z1D050025	1-1/2" x 3/4"	3/4"	1-1/2"	21	16	20	51	37
Z1D050032	1-1/2" x 1"	1"	1-1/2"	21	19	25	54	37
Z1D050040	1-1/2" x 1-1/4"	1-1/4"	1-1/2"	21	21	32	56	37
Z1D063025	2" x 3/4"	3/4"	2"	25	16	17	55.5	43
Z1D063032	2" x 1"	1"	2"	25	18	25	58	47
Z1D063040	2" x 1-1/4"	1-1/4"	2"	25	21	32	61	47
Z1D063050	2" x 1-1/2"	1-1/2"	2"	25	21	40	61	47
Z1D075040	2-1/2" x 1-1/4"	1-1/4"	2-1/2"	31	21	32	68	59
Z1D075050	2-1/2" x 1-1/2"	1-1/2"	2-1/2"	31	23	40	70	59
Z1D075063	2-1/2" x 2"	2"	2-1/2"	31	26	50	73	59
Z1D090050	3" x 1-1/2"	1-1/2"	3"	34	23	40	73	70
Z1D090063	3" x 2"	2"	3"	34	29	50	79	70
Z1D090075	3" x 2-1/2"	2-1/2"	3"	34	31	65	81	70
Z1D110063	4" x 2"	2"	4"	39	29	50	86	90
Z1D110075	4" x 2-1/2"	2-1/2"	4"	39	31	65	88	90
Z1D110090	4" x 3"	3"	4"	39	34	80	91	90

● REDUCING ADAPTOR (F×M)



ITEM NO.	SIZE	A	B	C	D	DN	F	L	SW
Z1A016012	3/8" x 1/4"	3/8"	1/4"	12	12	10	23	31	24
Z1A020016	1/2" x 3/8"	1/2"	3/8"	15	14	15	23	35.5	24
Z1A025016	3/4" x 3/8"	3/4"	3/8"	15	13	15	23	36.5	30
Z1A025020	3/4" x 1/2"	3/4"	1/2"	15.5	17	18	28	40	30
Z1A032016	1" x 3/8"	1"	3/8"	19	12	15	23	39	36
Z1A032020	1" x 1/2"	1"	1/2"	19	17	18.5	28	43.5	36
Z1A032025	1" x 3/4"	1"	3/4"	18.5	18.5	23.5	34	45	36
Z1A040020	1-1/4" x 1/2"	1-1/4"	1/2"	21.5	18	15	28	48	46
Z1A040025	1-1/4" x 3/4"	1-1/4"	3/4"	21.5	19.5	24	34	49.5	46
Z1A040032	1-1/4" x 1"	1-1/4"	1"	21.5	22.5	32	41	53	46
Z1A050025	1-1/2" x 3/4"	1-1/2"	3/4"	21.5	17.5	25	33	50	50
Z1A050032	1-1/2" x 1"	1-1/2"	1"	22	22	29	41	53	50
Z1A050040	1-1/2" x 1-1/4"	1-1/2"	1-1/4"	22	24	38	51	54.5	55
Z1A063032	2" x 1"	2"	1"	25.5	22	30	42	57	65
Z1A063040	2" x 1-1/4"	2"	1-1/4"	25.5	24	38	51	58	65
Z1A063050	2" x 1-1/2"	2"	1-1/2"	25.5	22.5	45	60	58	65
Z1A075040	2-1/2" x 1-1/4"	2-1/2"	1-1/4"	29	27	39	53	56.5	80
Z1A075050	2-1/2" x 1-1/2"	2-1/2"	1-1/2"	29	27.5	45	63	60	80
Z1A075063	2-1/2" x 2"	2-1/2"	2"	29	38	50	75	87	80
Z1A090063	3" x 1-1/2"	3"	1-1/2"	33	23	40	59	67	95
Z1A090075	3" x 2"	3"	2"	33	35	50	75		
Z1A090075	3" x 2-1/2"	3"	2-1/2"	32	46	71	90	99	93
Z1A110063	4" x 2"	4"	2"	38.5	37	50	75	88	119
Z1A110075	4" x 2-1/2"	4"	2-1/2"	38	40	65	90	91	119
Z1A110090	4" x 3"	4"	3"	38	46	80	107.5	95	119

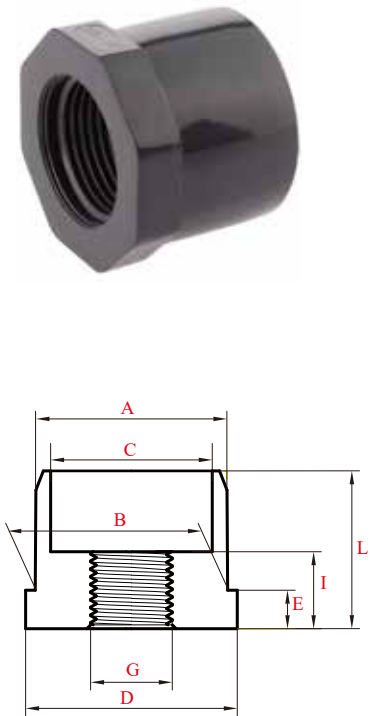
PIPE CLAMPS AND FASTENERS



ITEM NO.	SIZE	A	B	C	D	E	F
Z4U010	10	22	29	20	25	12	
Z4U012	12	22	29	20	26	12	
Z4U016	16	28	35	22	31	16	
Z4U020	20	40	45	28	39	12	
Z4U025	25	45	50	33	44	13	
Z4U032	32	53	58	40	40	14	
Z4U040	40	62	67	45	60	15	
Z4U050	50	75	80	50	60	16	68
Z4U063	63	90	95	60	76	16	85
Z4U075	75	105	110	70	88	20	98
Z4U090	90	130	135	90	104	24	116
Z4U110	110	150	155	90	126	24	142
Z4U125	125	165	170	95	146	26	153
Z4U160	160	235	240	115	184	28	195
Z4U200	200	275	280	142	230	31	238

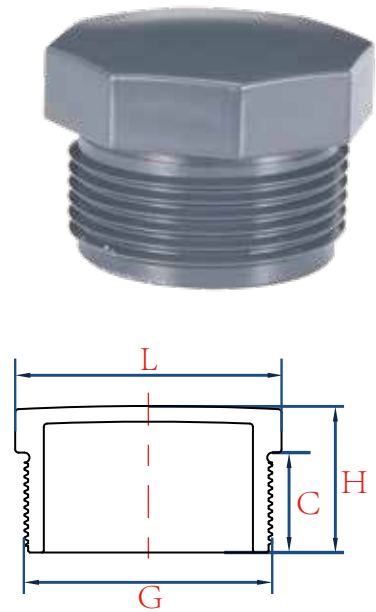
REDUCING BUSHING (FEMALE)

ITEM NO.	SIZE	A	B	C	D	G	E	I	L
Z5A016012	16x1/4"	15.9	16.3	11.9	19	1/4"	5	114	20
Z5A020010	20x1/8"	20	20.3	15	22	1/8"	5	10	21
Z5A020012	20x1/4"	20	20.3	15	22	1/4"	5	10	21
Z5A020016	20x3/8"	20	20.3	15	22	3/8"	6	14	20
Z5A025016	25x3/8"	25	25.3	21	27	3/8"	8	14	22
Z5A025020	25x1/2"	25	25.3	21	27	1/2"	8	17	25
Z5A032020	32x1/2"	32	32.3	27.2	36	1/2"	8	17	25
Z5A032025	32x3/4"	32	32.3	27.2	36	3/4"	8	19	27
Z5A040020	40x1/2"	40	40.4	34	46	1/2"	11	17	29
Z5A040025	40x3/4"	40	40.4	34	46	3/4"	11	19	40
Z5A050012	50x1/4"	50	50.5	42	55	1/4"	10	22	41
Z5A050020	50x1/2"	50	50.5	42	55	1/2"	10	20	41
Z5A050025	50x3/4"	50	50.5	42	55	3/4"	10	22	41
Z5A050032	50x1"	50	50.5	42	55	1"	10	22	41
Z5A063020	63x1/2"	63	63.5	53	65	1/2"	13	17	41
Z5A063025	63x3/4"	63	63.5	53	65	3/4"	13	19	41
Z5A063032	63x1"	63	240	53	65	1"	13	21	41
Z5A063040	63x1-1/4"	63	280	53	65	1-1/4"	13	23	41



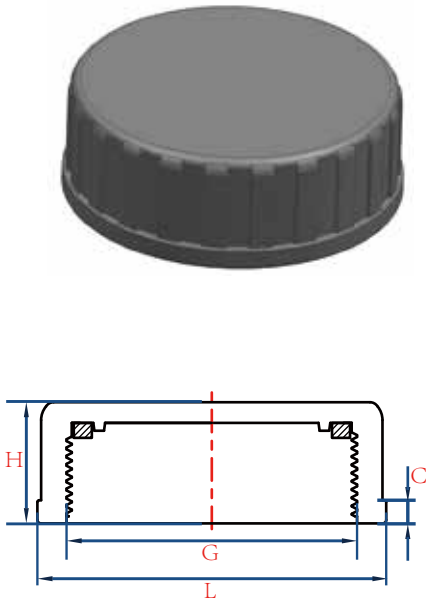
CAP (SOCKET)

ITEM NO.	SIZE	C	G	L	H
Z2C020	1/2"	14	1/2"	27	24
Z5C025	3/4"	16	3/4"	32	26
Z5C032	1"	19	1"	38	31
Z5C040	1-1/4"	21	1-1/4"	46	34
Z5C050	1-1/2"	21	1-1/2"	55	34
Z5C055	1-3/4"				
Z5C063	2"	26	2"	65	39
Z5C066	2-1/4"				
Z5C075	2-1/2"	30	2-1/2"	80	44
Z5C081	2-3/4"				
Z5C090	3"				
Z5C110	4"				
Z5C130	4-1/2"				
Z5C140	5"				



CAP WITH GASKET

ITEM NO.	SIZE	C	G	L	H
Z2B020	1/2"				
Z5B025	3/4"				
Z5B032	1"	5.7	1/2"	43	21.6
Z5B040	1-1/4"	5	3/4"	53	24.7
Z5B050	1-1/2"	4	1"	60	25.3
Z5B055	1-3/4"				
Z5B063	2"	4.6	2"	71.8	28.6
Z5B066	2-1/4"	6	2-1/4"	85	30
Z5B075	2-1/2"				
Z5B081	2-3/4"	6.5	2-3/4"	97.9	34
Z5B090	3"				
Z5B110	4"	8.9	4"	136	46
Z5B130	4-1/2"				
Z5B140	5"	10	5"	160	53



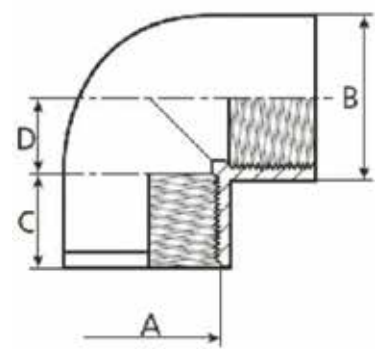
• CAP (FEMALE)

ITEM NO.	SIZE	A	B	C	D	Z
Z5B020016	20×3/8"	20	3/8"	16	14	2
Z5B025016	25×3/8"	25	3/8"	19	14	5
Z5B025020	25×1/2"	25	1/2"	19	16	3
Z5B032025	32×3/4"	32	3/4"	22	19	3
Z5B040032	40×1"	40	1"	26	22	4
Z5B050040	50×1-1/4"	50	1-1/4"	31	26	5
Z5B063050	63×1-1/2"	63	1-1/2"	38	31	7
Z5B075063	75×2"	75	2"	44	38	6
Z5B090075	90×2-1/2"	90	2-1/2"	51	44	7
Z5B110090	110×3"	110	3"	61	51	10



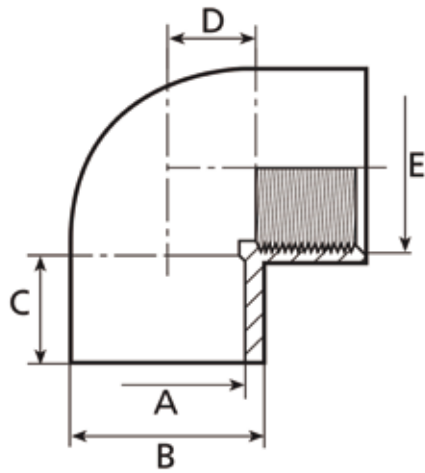
• 90 DEGREE ELBOW (F×F)

ITEM NO.	SIZE	A	B	C	D	DN
Z6B016016	3/8"	3/8"	25	14	15.5	10
Z6B020020	1/2"	1/2"	25	16	13.5	15
Z6B025025	3/4"	3/4"	32.5	19	14.8	20
Z6B032032	1"	1"	40	22	18.5	25
Z6B040040	1-1/4"	1-1/4"	50	26	23	32
Z6B050050	1-1/2"	1-1/2"	63	31.5	27	40
Z6B063063	2"	2"	75	38	32.5	50
Z6B075075	2-1/2"	2-1/2"	90	44	40	65
Z6B090090	3"	3"	110	51	48	80
Z6B110110	4"	4"	131	61	58	100



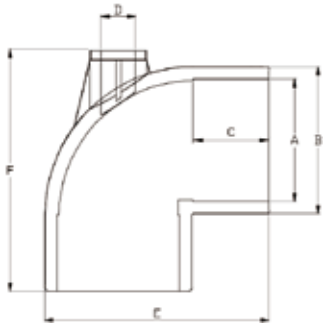
• 90 DEGREE ELBOW (S×F)

ITEM NO.	SIZE	A	B	C	D	E
Z6C020020	20 x 1/2"	16	28.5	16	10	1/2"
Z6C025020	25 x 1/2"	25	28.5	16	14.8	3/4"
Z6C025025	25 x 3/4"	25	33	19	14.8	3/4"
Z6C032032	25 x 1"	25	33	19	18.5	1"
Z6C032032	32 x 1"	32	40.5	22.5	18.5	1"
Z6C040040	32 x 1-1/4"	40	40.5	22.5	23	1-1/4"
Z6C040040	40 x 1-1/4"	40	50	26.5	23	1-1/4"
Z6C050050	40 x 1-1/2"	50	50	26.5	27	1-1/2"
Z6C063050	50 x 1-1/2"	63	58	31	32.5	1-1/2"
Z6C063063	63 x 2"	63	73	38	32.5	2"
Z6C075075	75 x 2-1/2"	75	90	44	40	2-1/2"
Z6C090090	90 x 3"	90	110	51	48	3"
Z6C110110	110 x 4"	110	131	61	58	4"



• 90 DEGREE ELBOW WITH UPPER REINFORCED THREADED DRAIN

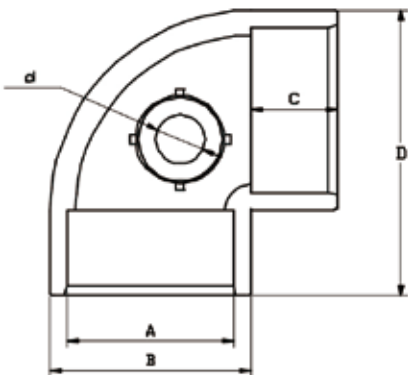
ITEM NO.	SIZE	A	B	C	D	E	E
Z6F050020	50 x 1/2"	50	61	31	1/2"	88	100
Z6F050025	50 x 3/4"	50	61	31	3/4"	88	100
Z6F063020	63 x 1/2"	63	76	38	1/2"	109	120
Z6F063025	63 x 3/4"	63	76	38	3/4"	109	120
Z6F075020	75 x 1/2"	75	91	45	1/2"	131	147
Z6F075025	75 x 3/4"	75	91	45	3/4"	131	146
Z6F090025	90 x 3/4"	90	108	51	3/4"	151	178
Z6F090032	90 x 1"	90	108	51	1"	151	178
Z6F110032	110 x 1"	110	131	61	1"	184	206
Z6F125032	125 x 1"	125	143	63	1"	210	234
Z6F125063	125 x 2"	125	143	69	2"	210	234
Z6F160063	160 x 2"	160	182	86	2"	265	297
Z6F200063	200 x 2"	200	225	106	2"	320	340





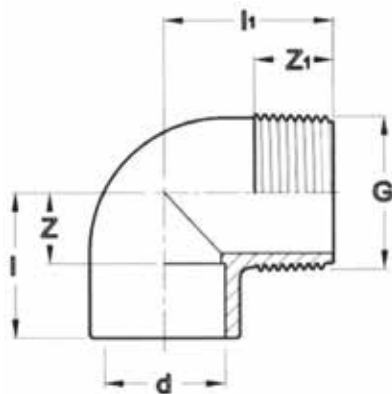
• 90 DEGREE ELBOW
WITH SIDE REINFORCED
THREADED DRAIN

ITEM NO.	SIZE	A	B	C	D	d
Z6K050020	50mm x 1/2"	50	61	31	88	1/2"
Z6K050025	50mm x 3/4"	50	61	31	88	3/4"
Z6K063020	63mm x 1/2"	63	76	38	109	1/2"
Z6K063025	63mm x 3/4"	63	76	38	109	3/4"
Z6K075020	75mm x 1/2"	75	91	45	130	1/2"
Z6K090025	90mm x 3/4"	90	108	51	151	3/4"
Z6K110032	110mm x 1"	110	131	185	185	1"



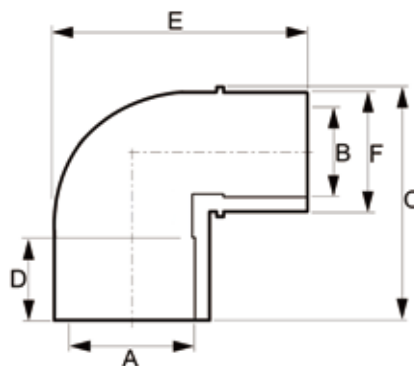
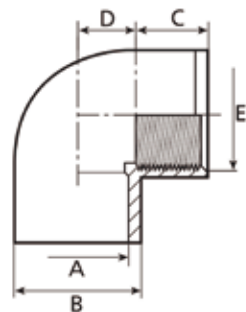
• 90 DEGREE ELBOW
MALE THREAD

ITEM NO.	SIZE	d	G	I	I1	Z	Z1
Z6D020020	20mm x 1/2"	20	1/2"	31	33	9	15
Z6D020025	20mm x 3/4"	40	3/4"	28	35	11	16
Z6D025025	25mm x 3/4"	25	3/4"	34	36	14	15
Z6D025032	25mm x 1"	25	1"	32	39	14	18
Z6D032025	32mm x 3/4"	32	3/4"	43	48	20	30
Z6D032032	32mm x 1"	32	1"	43	49	20	30
Z6D032040	32mm x 1-1/4"	32	1-1/4"	39	45	16	24
Z6D040040	40mm x 1-1/4"	40	1-1/4"	47	48	21	21
Z6D040050	40mm x 1-1/2"	40	1-1/2"	47	49	21	22
Z6D050040	50mm x 1-1/4"	50	1-1/4"	57	55.5	26	21
Z6D050050	50mm x 1-1/2"	50	1-1/2"	57	57	26	22.5
Z6D050063	50mm x 2"	50	2"	57	60.5	26	26
Z6D063063	63mm x 2"	63	2"	70	68	32	26



• 90 DEGREE ELBOW
REINFORCED FEMALE THREAD

ITEM NO.	SIZE	A	B	C	D	E
Z6E016	16 x 3/8"	16	25	14	15.5	3/8"
Z6E020	20 x 1/2"	20	25	16	10	1/2"
Z6E025	25 x 3/4"	25	32	19	14.8	3/4"
Z6E032	32 x 1"	32	40	22	18.5	1"
Z6E040	40 x 1-1/4"	40	50	26	23	1-1/4"
Z6E050	50 x 1-1/2"	50	63	31	27	1-1/2"
Z6E063	63 x 2"	63	75	38	32.5	2"

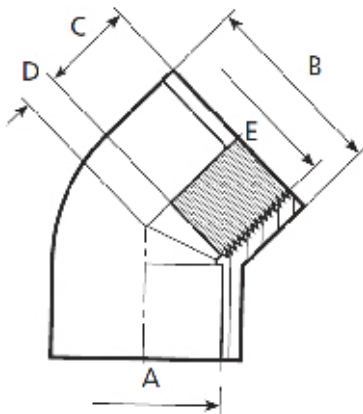


• 90 DEGREE REDUCING ELBOW (S×S)

ITEM NO.	SIZE	A	B	C	D	E	F
Z6L032025	32 x 25/32	32	25	57.5	22.5	70	32
Z6L040032	40 x 32/40	40	32	71	27	81	40
Z6L050040	50 x 40/50	50	40	84	32	104	50
Z6L050050	50 x 50/63	50	50	88	32	108	63
Z6L063050	63 x 50/63	63	50	103	39	124	63
Z6L075063	75 x 63/75	75	63	124	45	139	75
Z6L110090	110 x 90/110	110	90	180	62	196	110

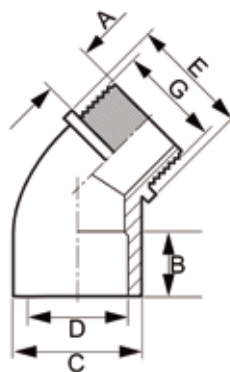
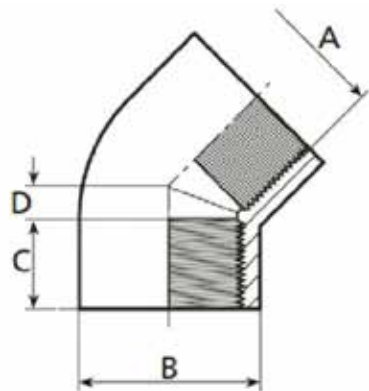
● 45 DEGREE ELBOW (S×F)

ITEM NO.	SIZE	A	B	C	D	DN	E
Z4B016	16 x 3/8"	16	25	14	7	10	3/8"
Z4B020	20 x 1/2"	20	25	16	5	15	1/2"
Z4B025	25 x 3/4"	25	32	19	6	20	3/4"
Z4B032	32 x 1"	32	40	22	7.5	25	1"
Z4B040	40 x 1-1/4"	40	50	26	9.5	32	1-1/4"
Z4B050	50 x 1-1/2"	50	63	31	11.5	40	1-1/2"
Z4B063	63 x 2"	63	75	38	14	50	2"
Z4B075	75 x 2-1/2"	75	90	44	16.5	65	2-1/2"
Z4B090	90 x 3"	90	110	51	19.5	80	3"
Z4B110	110 x 4"	110	131	61	23	110	4"



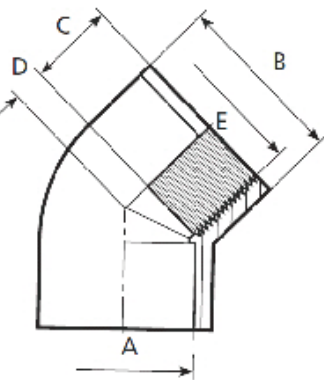
● 45 DEGREE ELBOW (F×F)

ITEM NO.	SIZE	A	B	C	D	DN
Z4C016	3/8"	3/8"	25	14	7	10
Z4C020	1/2"	1/2"	25	16	5	15
Z4C025	3/4"	3/4"	32.5	19	6	20
Z4C032	1"	1"	40	22	7.5	25
Z4C040	1-1/4"	1-1/4"	50	26	9.5	32
Z4C050	1-1/2"	1-1/2"	63	31.5	11.5	40
Z4C063	2"	2"	75	38	14	50
Z4C075	2-1/2"	2-1/2"	90	44	16.5	65
Z4C090	3"	3"	110	51	19.5	80
Z4C110	4"	4"	131	61	23	110



● 45 DEGREE ELBOW
REINFORCED FEMALE THREAD

ITEM NO.	SIZE	A	B	C	D	DN	E
Z4F020	20 x 1/2"	20	25	16	5	15	1/2"
Z4F025	25 x 3/4"	25	32	19	6	20	3/4"
Z4F032	32 x 1"	32	40	22	7.5	25	1"
Z4F040	40 x 1-1/4"	40	50	26	9.5	32	1-1/4"
Z4F050	50 x 1-1/2"	50	63	31	11.5	40	1-1/2"
Z4F063	63 x 2"	63	75	38	14	50	2"



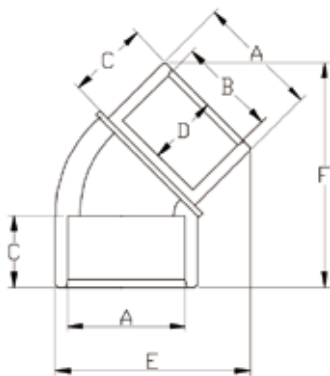
● 45 DEGREE ELBOW
MALE THREAD

ITEM NO.	SIZE	A	B	C	D	E	G
Z4D032	32 x 1"	20	22.5	40.5	32	42	1"
Z4D040	40 x 1-1/4"	20	26	50.5	40	52	1-1/4"
Z4D050	50 x 1-1/2"	22.5	31	61.5	50	-	1-1/2"
Z4D063	63 x 2"	38	38	76	63	-	2"
Z4D075	75 x 2-1/2"	29	46	90.5	75	88	2-1/2"



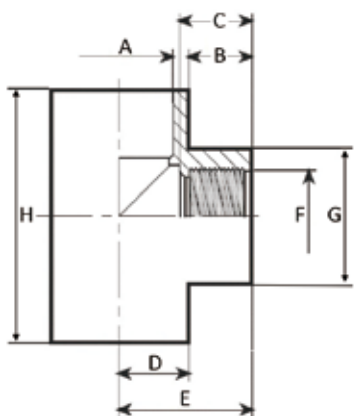
45 DEGREE ELBOW REDUCER

ITEM NO.	SIZE	A	B	C	D	E	F
Z4E032025	32 x 25/32	32	25	22	19	55	58
Z4E040032	40 x 32/40	40	32	26	22	63	87
Z4E050040	50 x 40/50	50	40	31	26	88	97
Z4E063050	63 x 50/63	63	50	38	31	106	117
Z4E075063	75 x 63/75	75	63	45	38	125	140



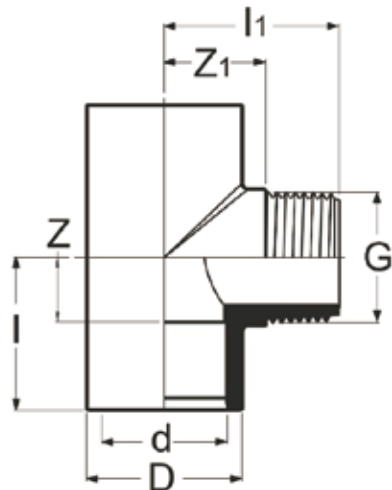
REDUCING TEE (S×F×S)

ITEM NO.	SIZE	A	B	C	D	E	F	G	H
Z3B020016	20 x 3/8"	20	14	16	13	27	3/8"	25	54
Z3B025016	25 x 3/8"	25	14	19	19	33	3/8"	32	66
Z3B025020	25 x 1/2"	25	17	19	19	35	1/2"	34	66
Z3B032020	32 x 1/2"	32	16	22	23	39	1/2"	40	78.5
Z3B032025	32 x 3/4"	32	19	22	20	39	3/4"	40	78.5
Z3B040020	40 x 1/2"	40	15	26	33	49	1/2"	50	95.5
Z3B040025	40 x 3/4"	40	19	26	30	49	3/4"	50	100
Z3B040032	40 x 1"	40	22	26	27	49	1"	50	100
Z3B050020	50 x 1/2"	50	16	31	43	59	1/2"	63	118
Z3B050025	50 x 3/4"	50	19	31	40	59	3/4"	63	118
Z3B050032	50 x 1"	50	22	31	37	59	1"	63	118
Z3B050040	50 x 1-1/4"	50	26	31	33	59	1-1/4"	63	118
Z3B063020	63 x 1/2"	63	18	42	55	73	1/2"	75	144
Z3B063025	63 x 3/4"	63	20	42	53	73	3/4"	75	144
Z3B063032	63 x 1"	63	22	38	51	73	1"	75	142
Z3B063040	63 x 1-1/4"	63	26	38	47	73	1-1/4"	75	144
Z3B063050	63 x 1-1/2"	63	31	38	42	73	1-1/2"	75	144



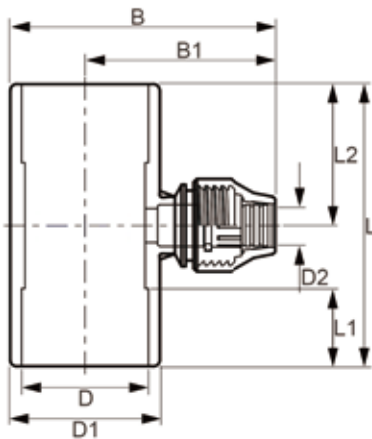
REDUCING TEE (S×M×S)

ITEM NO.	SIZE	D	d	G	I	I1	Z	Z1
Z3D020020	20 x 1/2"	26	20	1/2"	28	31	11	16
Z3D020025	20 x 3/4"	26	20	3/4"	28	35	11	19
Z3D025020	25 x 1/2"	33	25	1/2"	33	36	14	21
Z3D025020	25 x 3/4"	33	25	3/4"	33	38.5	14	22.5
Z3D025032	25 x 1"	33	25	1"	33	41.5	14	22.5
Z3D032025	32 x 3/4"	42	32	3/4"	40	42	12	23
Z3D032032	32 x 1"	42	32	1"	40	42	15	24
Z3D032040	32 x 1-1/4"	40	32	1-1/4"	-	42	17	23
Z3D040032	40 x 1"	51	40	1"	49	46	23	27
Z3D040040	40 x 1-1/4"	49	40	1-1/4"	50	27	23	27
Z3D040050	40 x 1-1/2"		40	1-1/2"				
Z3D050032	50 x 1"	62	50	1"	59	52	28	33
Z3D050040	50 x 1-1/4"	60	50	1-1/4"	60	54	28	33
Z3D050050	50 x 1-1/2"	60	50	1-1/2"	59	54	28	33
Z3D063032	63 x 1"	77	63	1"	73	61	17	41
Z3D063040	63 x 1-1/4"	77.5	63	1-1/4"	72	63	21	44
Z3D063050	63 x 1-1/2"	77	63	1-1/2"	78	62	24	42
Z3D063063	63 x 2"	77	63	2"	71	67	30	41



TEE WITH PP COMPRESSION

ITEM NO.	SIZE	B	B1	D	D1	D2	L	L1	L2
Z3L050020	50 x 20	112	87	50	61	20	115	32	56
Z3L050025	50 x 25	120	89	50	61	25	115	32	58
Z3L063020	63 x 20	132	94	63	75	20	141	38	70
Z3L063025	63 x 25	133	95	63	75	25	141	38	70



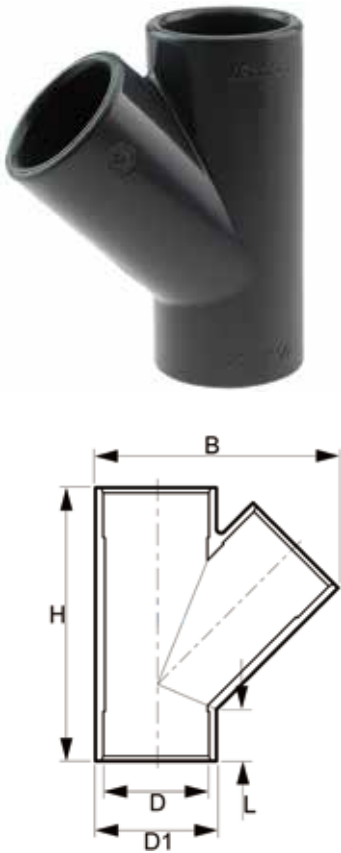
TEE WITH TWO MALE /FEMALE SOCKET

ITEM NO.	SIZE	A	a	B	C	D	E	F
Z3F032025	32×25/32	32	32	25	22	19	85	66
Z3F040032	40×32/40	40	40	32	26	22	106	81
Z3F050040	50×40/50	50	50	40	31	26	125	99
Z3F063050	63×50/63	63	63	50	38	31	154	121
Z3F075063	75×63/75	75	75	63	45	38	180	143
Z3F110090	110×90/110	110	110	110	61	51	250	179



TEE WITH ONE MALE /FEMALE SOCKET

ITEM NO.	SIZE	A	a	B	C	D	E	F
Z3G032025	32×25/32	32	32	25	22	19	85	59
Z3G040032	40×32/40	40	40	32	26	22	106	74
Z3G050040	50×40/50	50	50	40	31	26	125	88
Z3G063050	63×50/63	63	63	50	38	31	154	104
Z3G075063	75×63/75	75	75	63	45	38	180	130
Z3G110090	110×90/110	110	110	110	61	51	250	183



Y -TEE

ITEM NO.	SIZE	B	D	D1	H	L
Z3N010	10	31	10	16	41	12
Z3N012	12	34	12	18	44	12
Z3N016	16	48	16	22	59	15
Z3N020	20	55	20	27	68	16
Z3N025	25	67	25	33	81	19
Z3N032	32	82	32	41	96	22
Z3N040	40	99	40	50	116	26
Z3N050	50	122	50	60	147.5	31.5
Z3N063	63	150	63	76	174	38
Z3N075	75	170	75	87	210	45
Z3N090	90	212	90	108	244	51
Z3N110	110	260	110	131	298	61
Z3N125	125	292	125	148	337	69
Z3N160	160	368	160	182	429	86
Z3N200	200	465	200	226	529	106

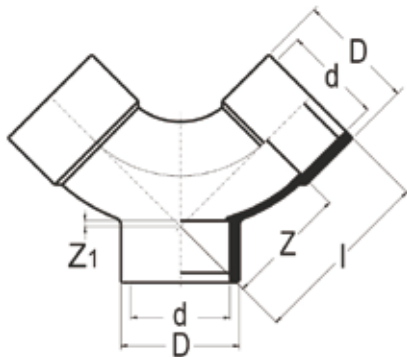
Y -FITTING

ITEM NO.	SIZE	D	d	I	I1	Z	Z1
Z3I020	20	25	20	27	22	10	17
Z3I025	25	31	25	39	26	20	19
Z3I032	32	39	32	41	30	17.5	23.5
Z3I040	40	48	40	44	36	16	30
Z3I050	50	59	50	58	44	26	33
Z3I063	63	73	63	72	52	33	38
Z3I075	75	85	75	85	61	38	44



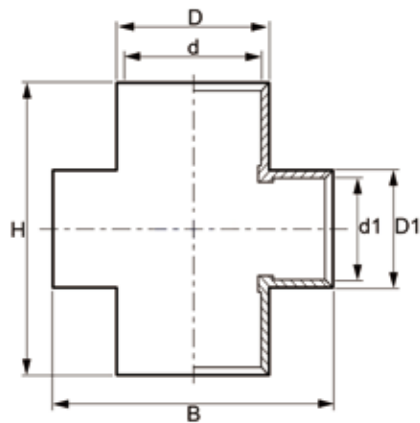
• Y-BEND

ITEM NO.	SIZE	D	d	l	Z	Z1
Z3H050	50	60	50	93	62	3
Z3H063	63	75	63	115	77	3



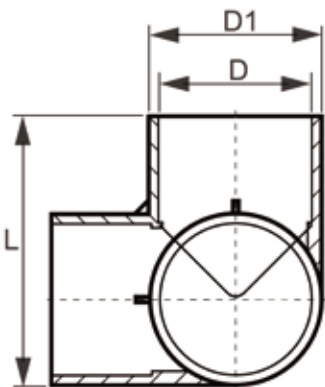
• REDUCING CROSS

ITEM NO.	SIZE	B	D	D1	d	d1	H
Z7B075025	75×25	121	87	34	75	25	122
Z7B075050	75×50	140	87.5	60.5	75	50	143
Z7B090050	90×50	155	105	61	90	50	155
Z7B160063	160×63	241	180	76	160	63	225
Z7B160110	160×110	288	180	125	160	110	292
Z7B200110	200×110	325	222	125	200	110	330
Z7B225110	225×110	353	250	125	225	110	315



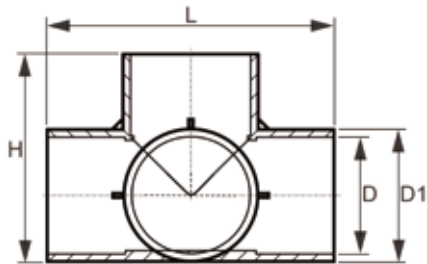
• THREE FOLD 90 DEGREE ELBOW

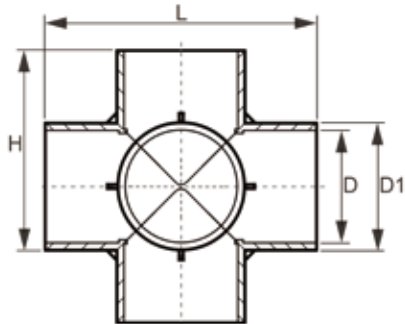
ITEM NO.	SIZE	D	D1	L
Z3M020	20	20	25.5	48
Z3M025	25	25	30.5	56
Z3M032	32	32	38	64
Z3M050	50	50	57.5	88.5



• FOURFOLD 90 DEGREE ELBOW

ITEM NO.	SIZE	D	D1	H	L
Z7E020	20 mm	20	25	48	71
Z7E025	25 mm	25	30.5	55	80
Z7E032	32 mm	32	38	64	89.5
Z7E050	50 mm	50	61	88	114
Z7E063	63 mm	63	76	109	141
Z7E075	75 mm	75	90	130	167



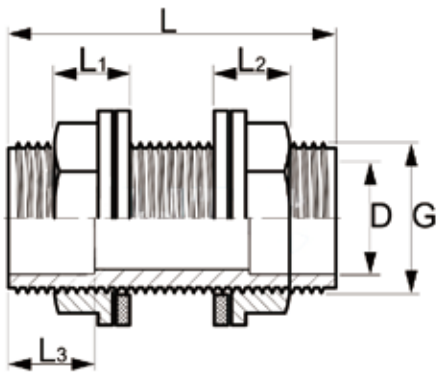
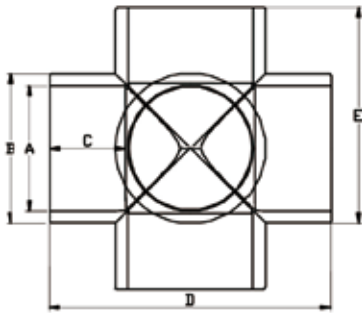


SIXFOLD 90 DEGREE ELBOW

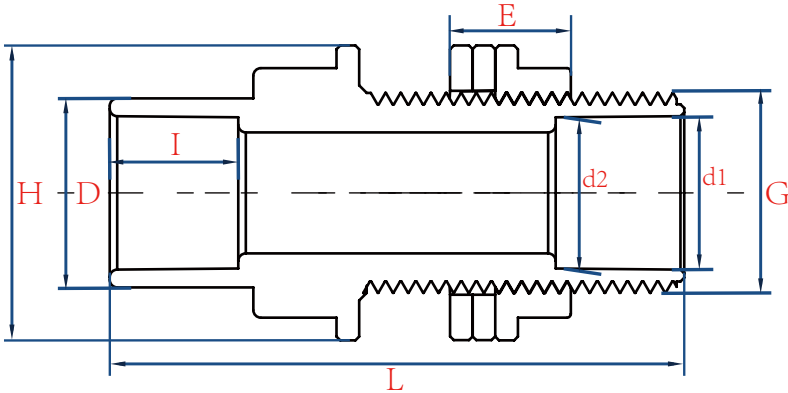
ITEM NO.	SIZE	D	D1	H	L
Z3D020	20	20	25	49	72
Z3D025	25	25	30.5	56	81
Z3D032	32	32	38.5	64	90
Z3D050	50	50	57.5	91	121

FIVEFOLD 90 DEGREE ELBOW

ITEM NO.	SIZE	A	B	C	D	E
Z7C050	50	50	61	31	114	88
Z7C063	63	63	76	38	141	109
Z7C075	75	75	90	44	167	130

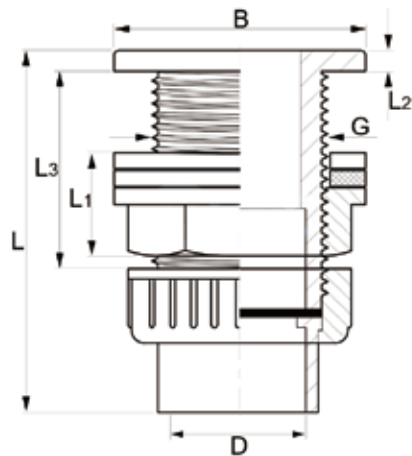


ITEM NO.	SIZE	G	L	L1
V3P020	1/2"	1/2"	60	20
V3P025	3/4"	3/4"	60	16
V3P032	1"	1"	80	21.5
V3P040	1-1/4"	1-1/4"	80	23
V3P050	1-1/2"	1-1/2"	80	28
V3P055	1-3/4"			
V3P063	2"	2"	100	28
V3P075	2-1/2"			

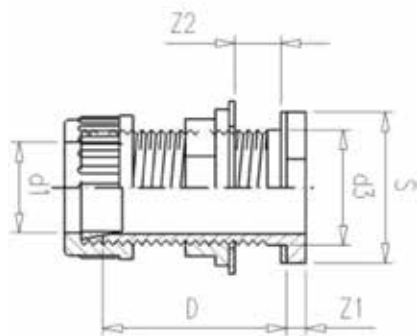


ITEM NO.	SIZE	d1	d2	G	I	D	E	H	L
P51C01611	16/20X16-1/2"	16.3	15.9	1/2"	15.5	20	20	32	61
P51C02011	20/25X20-3/4"	20.3	20	3/4"	17	25	16	39	76
P51C02511	25/32 X 25-1"	25.3	24.9	1"	19.5	32	21.5	46	81.7
P51C03211	32/40X32-1-1/4"	32.3	32	1-1/4"	24	40	23	55	92
P51C04011	40/50X40-1-3/4"	40.5	40	1-3/4"	27	50	27	72	97.7
P51C05011	50/63X50-2"	50.5	49.9	2"	40	63	28	80	96
P51C06311	63/75X63-2-1/2"	63.5	62.8	2-1/2"	38.5	75	29	93	116.2

TANK CONNECTOR

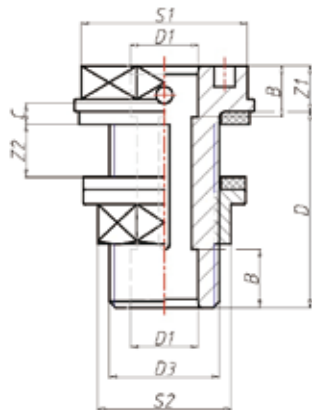


ITEM NO.	SIZE	B	D	G	L	L1	L2	L3
V3Q020012	1/2"×12							
V3Q025016	3/4"×16							
V3Q032020	1"×20							
V3Q040025	1-1/4"×25							
V3Q050032	1-1/2"×32	66	20.3	1-1/2"	76.8	28	5	39.8
V3Q063040	2"×40							
V3Q066050	2-1/4"×50							
V3Q081063	2-3/4"×63							
V3Q095075	3-1/2"×75							
V3Q110090	4"×90							
V3Q140110	5"×110							

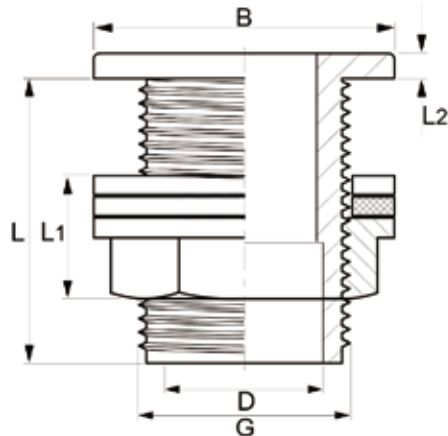


ITEM NO.	SIZE	D	d1	d3	S	Z1	Z2
V3V025020	3/4"×20						
V3V032025	1"×25						
V3V040032	1-1/4"×32						
V3V055040	1-3/4"×40						
V3V063050	2"×50						
V3V075063	2-1/2"×63						

TANK CONNECTOR

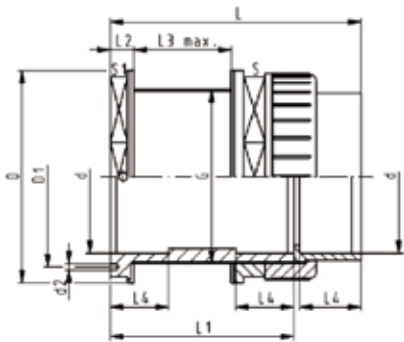


ITEM NO.	SIZE	B	C	D	d1	d3	S1	S2	Z1	Z2
V3R025016	3/4"×16									
V3R032020	1"×20									
V3R040025	1-1/4"×25									
V3R050032	1-1/2"×32									
V3R050040	1-1/2"×40									
V3R063040	2"×40									
V3R000050	2-1/4"×50									
V3R000063	2-3/4"×63									



ITEM NO.	SIZE	D	G	L	L1	L2	B
V3U020016	1/2"×16						
V3U025020	3/4"×20						
V3U032025	1"×25						
V3U040032	1-1/4"×32						
V3U050032	1-1/2"×32						
V3U050040	1-1/2"×40	40.4	1-1/2"	62	28	5	66
V3U055040	1-3/4"×40						
V3U063050	2"×50						
V3U075063	2-1/2"×63						

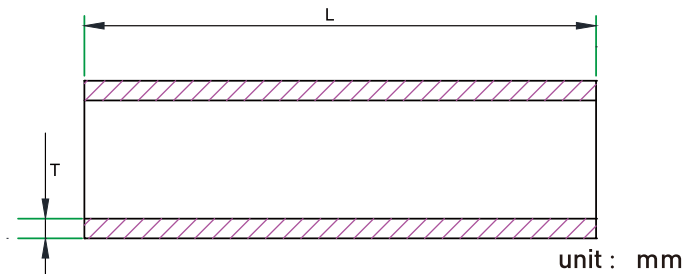
TANK CONNECTOR



ITEM NO.	SIZE	B	D	G	L	L1	L2	L3
V3S020012	12×1/2"×12							
V3S025016	1×3/4"×16							
V3S032020	20×1"×20							
V3S040025	25×1-1/4"×25							
V3S050032	32×1-1/2"×32							
V3S063040	40×2"×40							
V3S066050	50×2-1/4"×50							
V3S081063	63×2-3/4"×63							
V3S095075	75×3-1/2"×75							
V3S110090	90×4"×90							
V3S140110	110×5"×110							

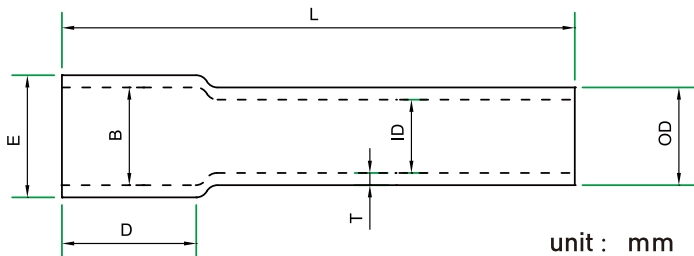
PIPES & GUTTER

PVC PRESSURE PIPE



DN	SIZE	T THCKNESS	L	MPA
15	20	2.0	4000	1.0
20	25	2.0	4000	1.0
25	32	2.0	4000	1.0
32	40	2.0	4000	1.0
40	50	2.4	4000	1.0
50	63	3.0	4000	1.0
65	75	3.6	4000	1.0
80	90	4.3	4000	1.0
100	110	4.2	4000	1.0
125	140	5.4	4000	1.0
150	160	6.2	4000	1.0
200	225	8.6	4000	1.0
250	280	10.7	4000	1.0
300	315	12.1	4000	1.0
350	355	13.6	4000	1.0
400	400	15.3	4000	1.0

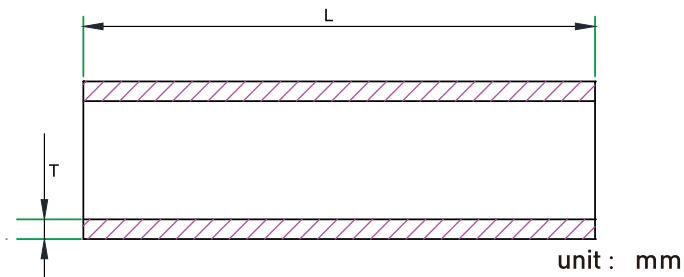
PVC PRESSURE PIPE FLARED TYPE



ITEM NO.	SIZE	OD OF PIPE	T HCKNESS	SDR SERIES	B	D
C502081	200	20	2.0	SDR11	20	38.1
C502081	230	20	2.3	SDR9	20	38.1
C502581	200	25	2.0	SDR13.6	25	44.5
C502581	230	25	2.3	SDR11	25	44.5
C502581	280	25	2.8	SDR9	25	44.5
C503281	200	32	2.0	SDR17	32	25.4
C503281	240	32	2.4	SDR13.6	32	25.4
C503281	290	32	2.9	SDR11	32	25.4
C513281	360	32	3.6	SDR9	32	25.4
.....						

PIPES & GUTTER

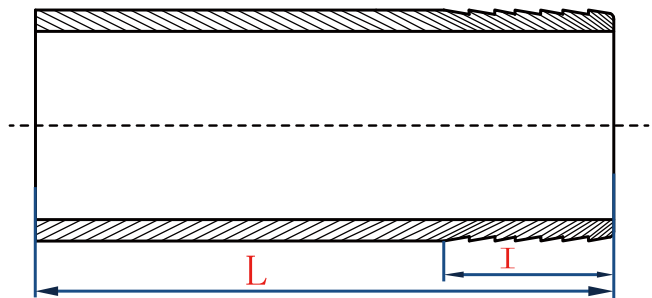
S10



DN	SIZE	T THICKNESS	L	MPA
15	20	2.0	4000	1.0
20	25	2.0	4000	1.0
25	32	2.4	4000	1.0
32	40	2.0	4000	1.0
40	50	2.4	4000	1.0
50	63	3.0	4000	1.0
65	75	3.6	4000	1.0
80	90	4.3	4000	1.0
100	110	5.3	4000	1.0
125	140	6.7	4000	1.0
150	160	7.7	4000	1.0
200	225	10.8	4000	1.0
250	280	13.4	4000	1.0
300	315	15.0	4000	1.0
350	355	16.9	4000	1.0
400	400	19.1	4000	1.0

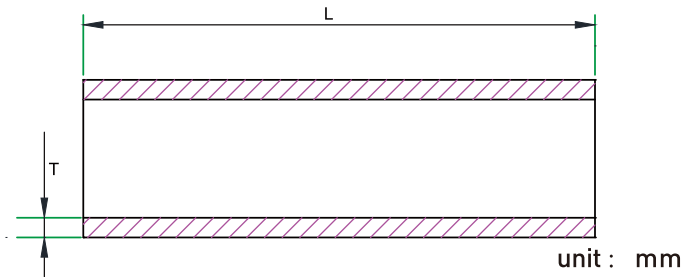
GLADHAND

DN	SIZE	I	L
15	20	38	400
20	25	38	400
25	32	48	400
32	40	58	400
40	50	68	400
50	63	78	400
65	75	88	400
80	90	108	400
100	110	128	400



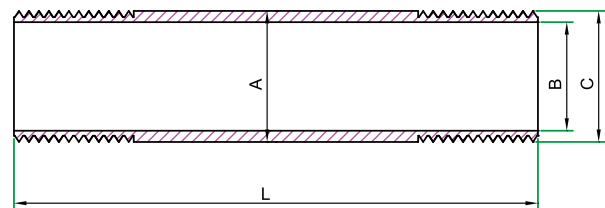
PIPES & GUTTER

PVC PRESSURE PIPE(DIN)



DN	SIZE	DN	D OD OF PIPE	T THCKNESS	MPA	
C502011	200	20	15	20+0.3	2.0+0.4	1.6
C502511	200	25	20	25+0.3	2.0+0.4	1.6
C503211	240	32	25	32+0.3	2.4+0.5	1.6
C504011	300	40	32	40+0.3	3.0+0.6	1.6
C505011	370	50	40	50+0.3	3.7+0.6	1.6
C506311	470	63	50	63+0.3	4.7+0.7	1.6
C507511	560	75	65	75+0.3	5.6+0.8	1.6
C509011	670	90	80	90+0.3	6.7+0.9	1.6
C511011	770	110	100	110+0.4	6.6+1.0	1.6

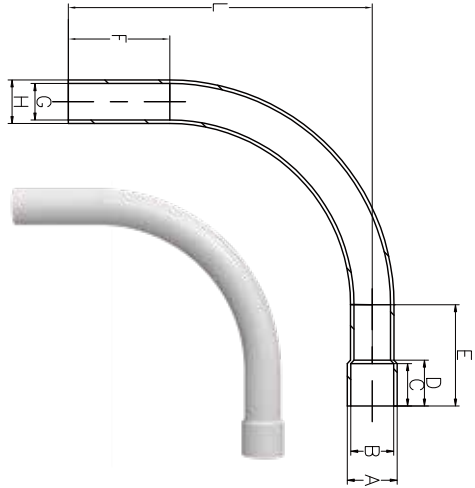
PVC THREADED PIPE



ITEM NO.	C SIZE	L LENGTH	A OD OF PIPE
C502045 080	G1/2"	800	21.34
C502045 100	G1/2"	1000	21.34
C502045 120	G1/2"	1200	21.34
C502045 400	G1/2"	4000	21.34
C502545 080	G3/4"	800	26.67
C502545 100	G3/4"	1000	26.67
C502545 120	G3/4"	1200	26.67
C502545 400	G3/4"	4000	26.67
C503245 080	G1"	800	33.4
C503245 100	G1"	1000	33.4
C503245 120	G1"	1200	33.4
C503245 400	G1"	4000	33.4

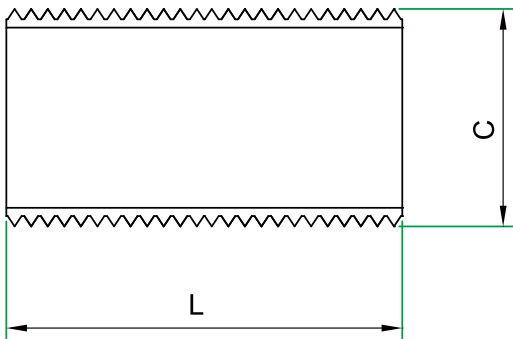
PVC FULL THREAD NIPPLES

ITEM NO.	C70201304 82	C70252104 82	C70322604 82
DN	15	20	25
SIZE	1/2"	3/4"	1"
A	25	30.9	36.6
B	21.6	27.2	33.4
C	21.3	27	24.3
D	23	33.6	26.4
E	50.8	75	80
F	50.8	75	80
G	18.2	23.3	30.4
H	21.7	27.3	34
L	152.25	185	210



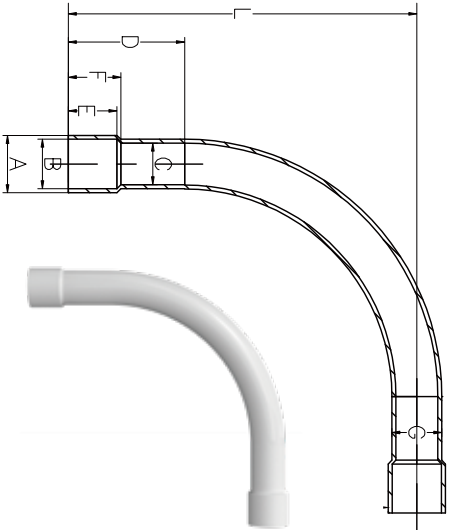
PVC FULL THREAD NIPPLES

ITEM NO.	SIZE	C	L
C502045060	1/2"	1/2"	60
C502545060	3/4"	3/4"	60
C503245080	1"	1"	80
C504045080	1-1/4"	1-1/4"	80
C505045080	1-1/2"	1-1/2"	80
C506345100	2"	2"	100



PVC FULL THREAD NIPPLES

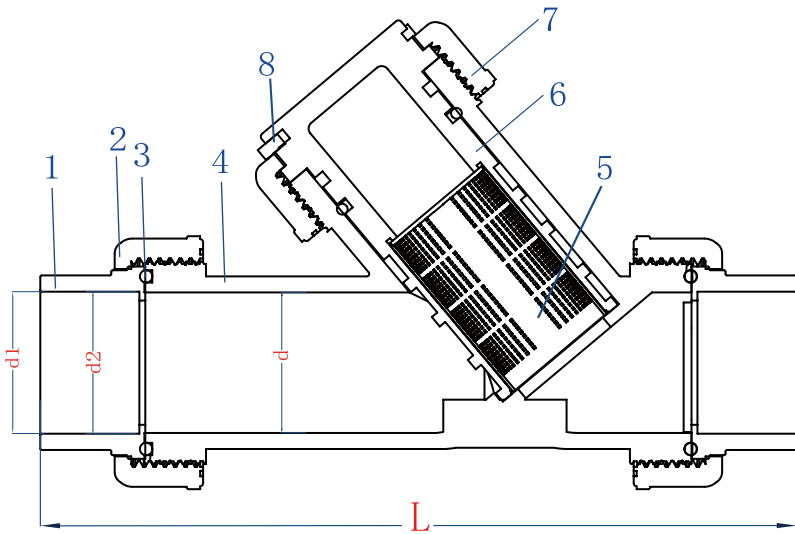
ITEM NO.	C70201304 92	C70252104 92	C70322604 92
DN	15	20	25
SIZE	1/2"	3/4"	1"
A	25	30.9	36.6
B	21.6	27.2	33.4
C	18.2	23.4	30.4
D	50.8	75	80
E	21.3	27	24.3
F	23	33.6	26.4
G	21.7	27.3	34
L	152.25	185	210



TRANSPARENT Y STRAINER FILTER



JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN16=232PSI
75 - 110 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	2
2	UNION NUT	UPVC	2
3	O-RING	EPDM	3
4	BODY	UPVC	1
5	FILTER SCREEN	PP	1
6	FASTENER	UPVC	1
7	UNION NUT	UPVC	1
8	CLAMP	POM	1

ITEM NO.	SIZE	d1	d2	d	L
Y7020	20	20.3	20	18	171.5
Y7025	25	25.3	25	24	177.3
Y7032	32	32.3	32	29	209.9
Y7040	40	40.4	40	40	231.1
Y7050	50	50.3	49.9	44	277.8
Y7063	63	63.5	62.9	55	306.8
Y7075	75	75.5	74.9	74.8	354.99
Y7090	90	90.55	89.85	77	394
Y7110	110	110.6	109.9	95	442.1

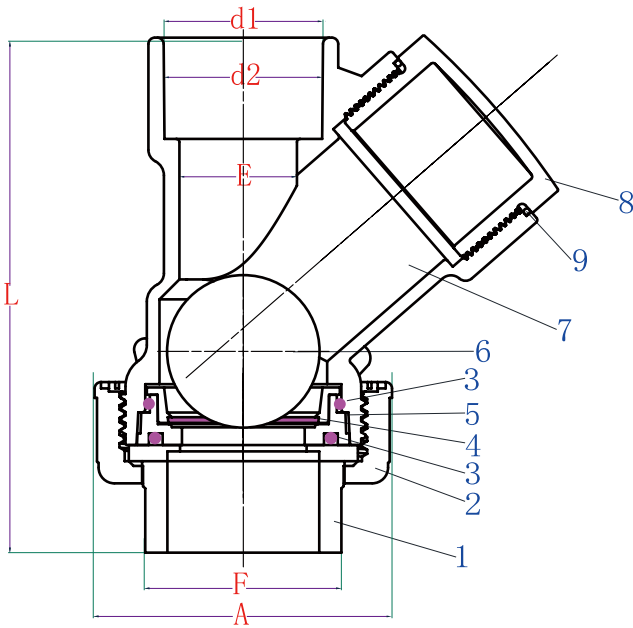


Y - STRAINER PVC SEDIMENT
Y7



Y CHECK VALVE
S1

Y CHECK VALVE



JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN10=150PSI

NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	1
2	UNION NUT	UPVC	1
3	O-RING	EPDM	2
4	GASKET	EPDM	1
5	CARRIER	UPVC	1
6	BALL	UPVC	1
7	BODY	UPVC	1
8	MALE PLUG	UPVC	1
9	O-RING	EPDM	1



ITEM NO.	DN	SIZE	d1	d2	A	F	L
Y6020	15	20	20.3	20	54.5	28.85	98.48
Y6025	20	25	25.3	25	59	34.9	105.86
Y6032	25	32	32.3	32	68.7	43.2	137.77
Y6040	32	40	40.4	40	79	51.9	143.54
Y6050	40	50	50.3	49.9	94	62	162.7
Y6063	50	63	63.5	62.9	117.6	75.4	194.5

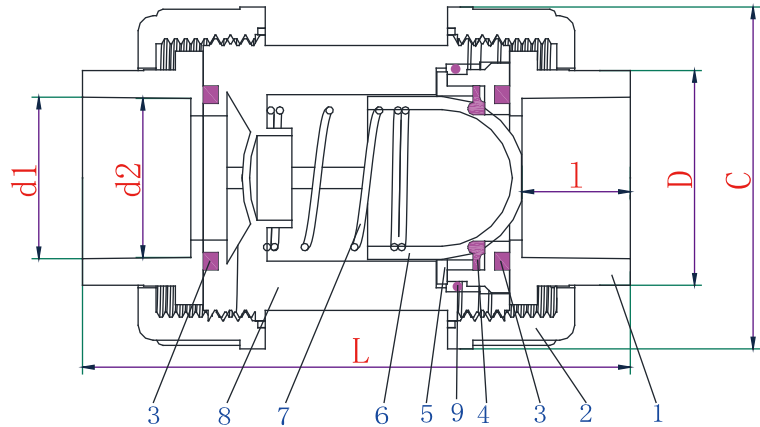
- **Application:** Installed on liquid and water pipelines as a safety device to automatically prevent the backflow of media.
- **Structural characteristics**
1) The ball moves up and down the side of the valve body: when the medium is flowing, the pressure of the medium opens the ball into the slanting side channel and the valve opens. When the media backflow, due to the ball's own weight decline and the backflow pressure of the media, automatically close the valve.
2) Better anti-aging performance, excellent corrosion resistance, low resistance and high flow rate.
- This valve should be installed vertically and can't be installed horizontally or diagonally.
- Note the direction of media flow from bottom to top (positive flow).

TRANSPARENT DOUBLE UNION CHECK VALVE

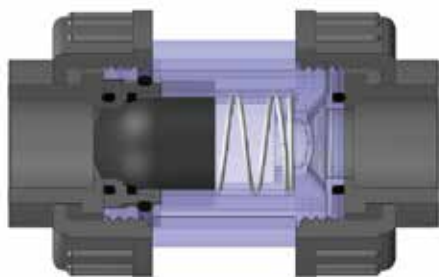
JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN16=232PSI
75 - 110 mm PN10=150PSI



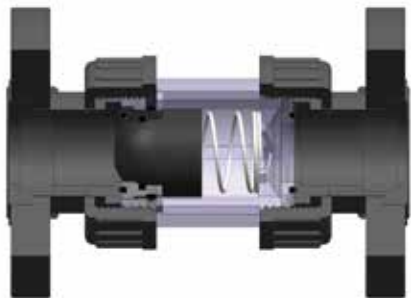
NO.	PART	MATERIAL	Q'TY
1	END CONNECTOR	UPVC	2
2	UNION NUT	UPVC	2
3	O-RING	EPDM	2
4	GASKET	EPDM	1
5	CARRIER	UPVC	1
6	HALF BALL	UPVC	1
7	SPRING	SS304	1
8	BODY	UPVC	1
9	CARRIER O-RING	EPDM	1



ITEM NO.	SIZE	I	d1	d2	L	D	C
T6020	20	16.5	20.3	20	82.8	28.85	54.5
T6025	25	19.5	25.3	25	95.3	34.9	59
T6032	32	22.2	32.3	32	111	43	68.7
T6040	40	26.4	40.4	40	121.8	51.9	79
T6050	50	32.0	50.3	49.9	143.1	61.8	94
T6063	63	38.5	63.5	62.9	171	75.4	117.8
T6075	75	41.7	75.5	74.9	209.2	88.4	138.8
T6090	90	57.8	90.55	89.85	281.3	132.1	172
T6110	110	57.8	110.6	109.9	282	132.1	172



TRANSPARENT DOUBLE
UNION CHECK VALVE
T6



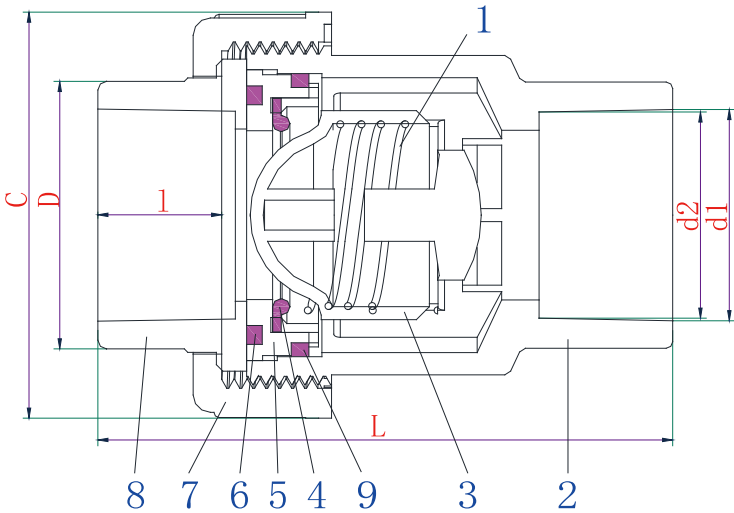
TRANSPARENT DOUBLE
UNION CHECK VALVE (FLANGE)
T6 (FLANGE)

TRANSPARENT SINGLE UNION CHECK VALVE

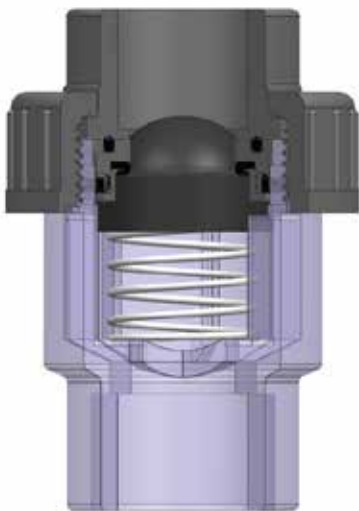
JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:50 - 63 mm PN16=232PSI



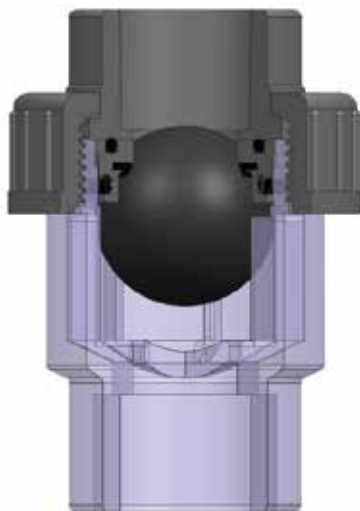
NO.	PART	MATERIAL	Q'TY
1	SPRING	SS304	1
2	BODY	UPVC	1
3	HALF BALL	UPVC	1
4	CARRIER GASKET	EPDM	1
5	CARRIER	UPVC	1
6	UNION O-RING	EPDM	1
7	UNION NUT	UPVC	1
8	END CONNECTOR	UPVC	1
9	O-RING	EPDM	1



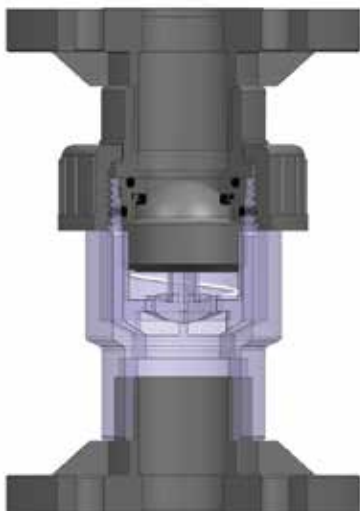
ITEM NO.	SIZE	I	d1	d2	L	D	C
S5050	50	31.5	48.8	48.3	134.8	61.6	94
S5063	63	37.9	60.3	60.1	173	75.3	117.4



TRANSPARENT SINGLE
UNION CHECK VALVE SPRING TYPE
S6



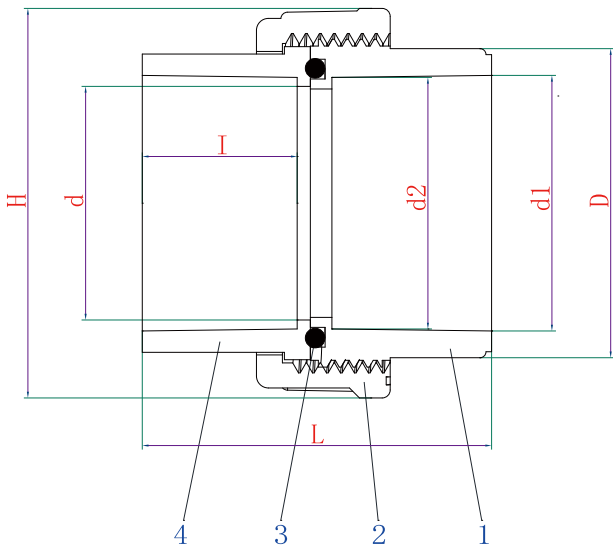
TRANSPARENT SINGLE
UNION CHECK VALVE BALL TYPE
S6 II



TRANSPARENT SINGLE UNION
CHECK VALVE SPRING TYPE (FLANGE)
S6 (FLANGE)

TRANSPARENT UNION

WORK PRESSURE:20 - 63 mm PN16=232PSI
75 - 110 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	1
3	O-RING	EPDM,NBR	1
4	END CONNECTOR	UPVC,CPVC	1

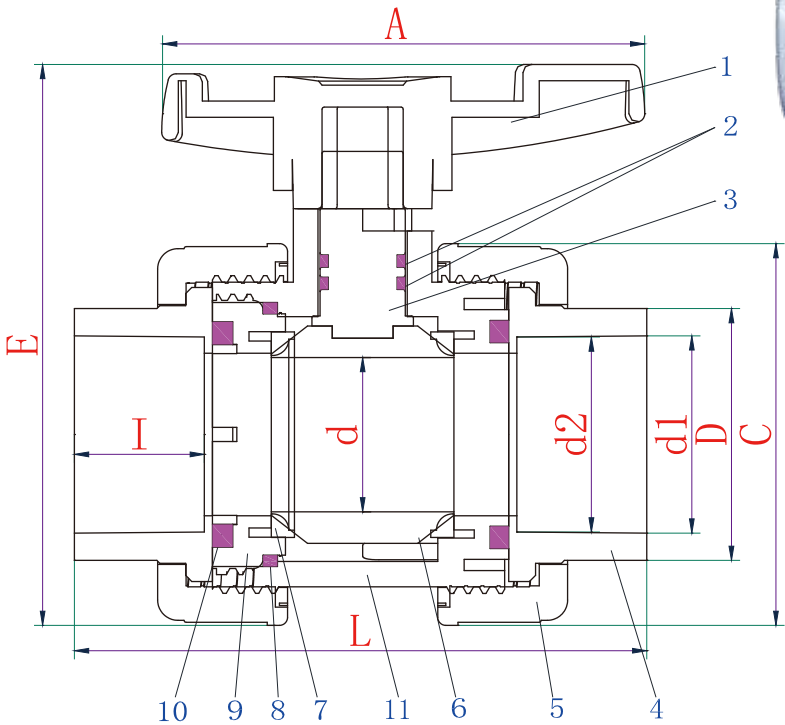
ITEM NO.	DN	SIZE	I	d1	d2	d	D	H	L
V1A020	15	20	16.6	20.3	20	15.1	27.4	43	44.7
V1A025	20	25	19.5	25.3	25	20	31.3	53	56.8
V1A032	25	32	22.5	32.3	32	25	40.9	60	61.5
V1A040	32	40	26.5	40.4	40	32	48	71.8	73.3
V1A050	40	50	31	50.3	49.9	42	58.8	85	82.5
V1A063	50	63	37.8	63.5	62.9	50.2	74.7	97.9	100.8
V1A075	65	75	45	75.5	74.9	70	87.5	118.7	100.2
V1A090	80	90	51	90.55	89.85	85	104	136	121.6
V1A110	100	110	61	110.6	109.9	105	124	160	142.5

The threads of the V TYPE UNION are standard BSPG threads and can be replaced and connected at will.

TRANSPARENTTRUE UNION BALL VALVE

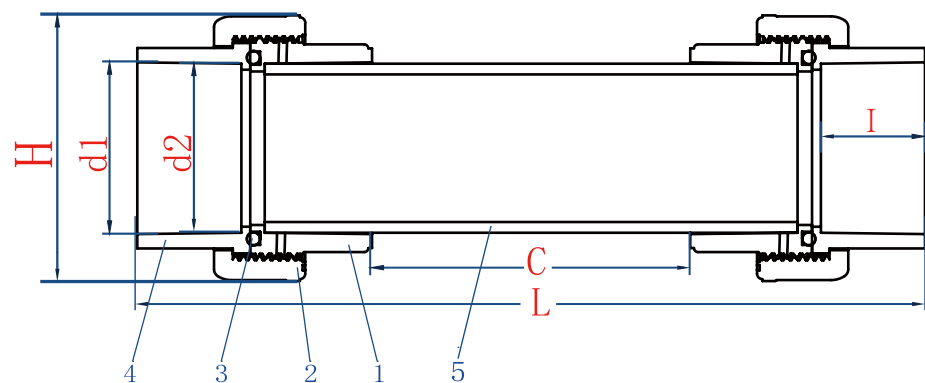
JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 63 mm PN16=232PSI

NO.	PART	MATERIAL	Q'TY
1	HANDLE	UPVC,ABS	1
2	STEM O-RING	EPDM,FPM	2
3	STEM	UPVC,CPVC	1
4	END CONNECTOR	UPVC,CPVC	2
5	UNION NUT	UPVC,CPVC	2
6	BALL	UPVC,CPVC	1
7	SEAT SEAL	TPE,PTFE	2
8	CARRIER O-RING	EPDM,FPM	1
9	CARRIER	UPVC,CPVC	1
10	UNION O-RING	EPDM,FPM	2
11	BODY	UPVC,CPVC	1



ITEM NO.	SIZE	I	d1	d2	d	C	E	A	L	D
T2020	20	16.5	20.3	20	15.5	54.5	77	67.7	81	28.85
T2025	25	19.5	25.3	25	20.5	59	89.0	76.7	92	34.9
T2032	32	22.0	32.3	32	25.3	68.7	103.3	86.4	104.8	43.2
T2040	40	26.4	40.4	40	29.1	89	118	101.4	122.2	51.9
T2050	50	31.5	50.3	49.9	38.7	93.9	138.4	118.8	143.2	61.9
T2063	63	38.4	63.5	62.9	48.7	115.5	165.2	145.6	173.1	75.1

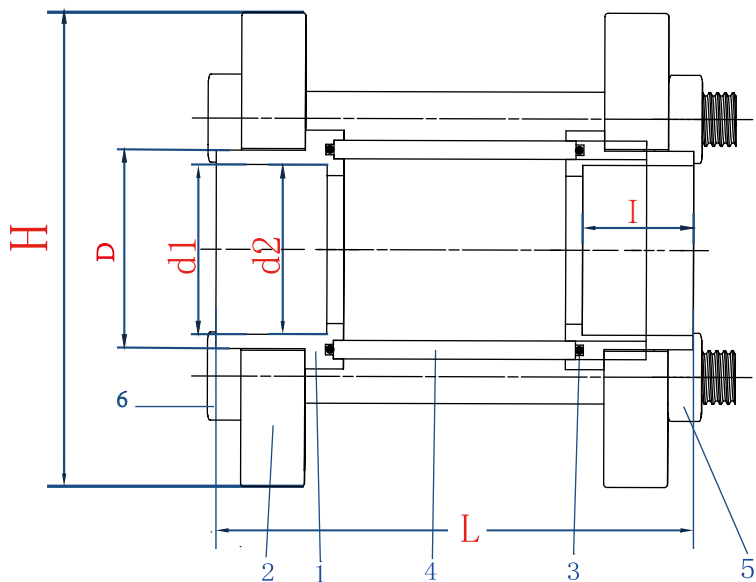
JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:20 - 110 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	MAIN BODY	UPVC,CPVC	2
2	UNION NUT	UPVC,CPVC	2
3	O-RING	EPDM,NBR	2
4	END CONNECTOR	UPVC,CPVC	2
5	VIEWER	UPVC,CPVC	1

ITEM NO.	DN	SIZE	I	d1	d2	C	H	L
M5020	15	20	16.6	20.3	20	126.8	43	216.2
M5025	20	25	19.5	25.3	25	121	53	234.6
M5032	25	32	22.5	32.3	32	115	60	238
M5040	32	40	26.5	40.4	40	167	71.8	313.6
M5050	40	50	31	50.3	49.9	158	85	323
M5063	50	63	37.8	63.5	62.9	174.4	97.9	376
M5075	65	75	45	75.5	74.9	210	118.7	410.4
M5090	80	90	51	90.55	89.85	228	136	471.2
M5110	100	110	61	110.6	109.9	268	160	553

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:125 - 200 mm PN10=150PSI



NO.	PART	MATERIAL	Q'TY
1	SOCKET	UPVC	2
2	RING	UPVC	2
3	O-RING	EPDM,FPM	2
4	VIEWER	UPVC,CPVC	1
5	SCREW	SS304	8
6	NUT	SS304	8

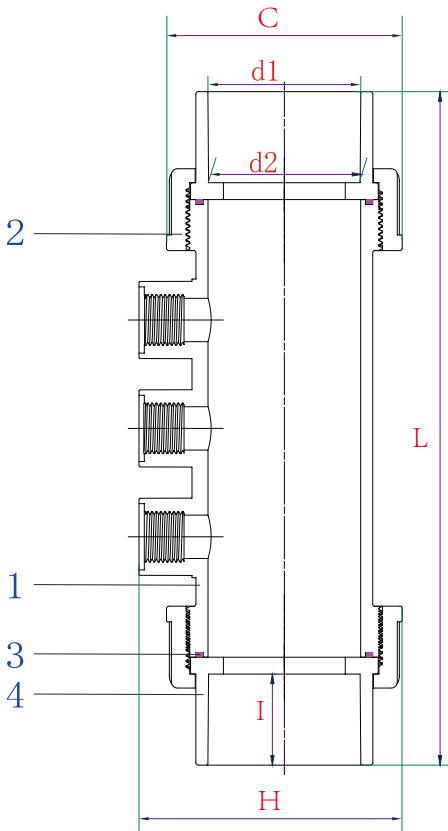
ITEM NO.	SIZE	I	d1	d2	H	L
M5125	125	68.5	125.7	124.5	250	266.4
M5140	140	70.5	140.5	140	250	265.6
M5160	160	75	160.5	160	285	271
M5200	200	104.6	200.6	200	340	300.4

ELECTRIC HOLDER

JOINT END:SOCKET(ANSI/DIN/JIS/CNS/BS)
THREAD(BSPT/NPT)
WORK PRESSURE:50 - 63 mm PN16=232PSI



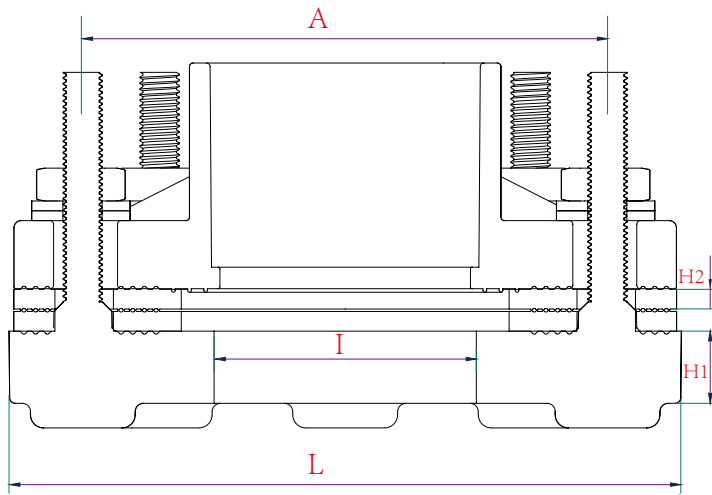
NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC,CPVC	1
2	UNION NUT	UPVC,CPVC	2
3	O-RING	EPDM,NBR	2
4	END CONNECTOR	UPVC,CPVC	2



ITEM NO.	SIZE	I	d1	d2	L	H	C
V505011	50x1/2"	32	50.5	49.9	291.2	109.3	98
V506311	63x1/2"	37.8	63.5	62.9	279.6	109.3	98



TANK FLANGE

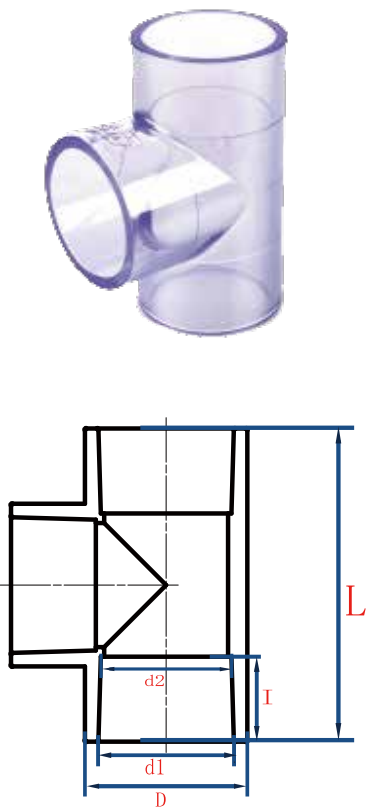


ITEM NO.	SIZE	I	A	L	H1	H2
V3N090	90	85	160	205	22	6
V3N110	110	85	160	205	22	6



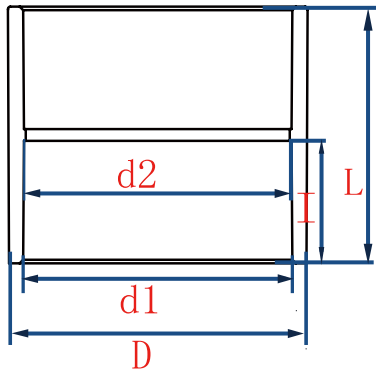
• TEE (S×S×S)

DN	SIZE	D	d1	d2	I	L
15	20	26.4	20.3	19.9	16.2	56.5
20	25	32	25.3	24.9	18.8	65.6
25	32	39.8	32.3	31.8	22.1	79.8
32	40	49.4	40.4	39.8	26.5	96.2
40	50	60	50.5	49.7	31.6	105.9
50	63	75.5	63.5	62.7	38.1	142
65	75	89	75.5	74.7	44.1	166.8
80	90	105	90.5	89.6	51.5	196.4
100	110	127.4	110.6	109.6	61.7	235.8



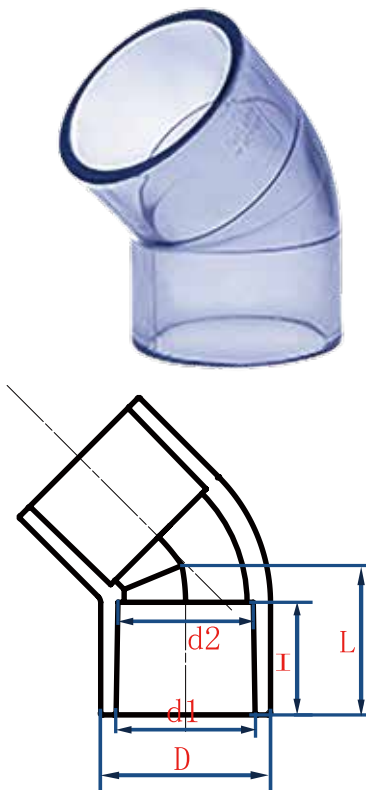
• COUPLING (S×S)

DN	SIZE	D	d1	d2	I	L
15	20	26.4	20.3	19.9	16.1	35.2
20	25	32	25.3	24.9	18.8	40.3
25	32	39.7	32.3	31.8	22.1	46.8
32	40	49.3	40.4	39.8	26.3	56.2
40	50	60	50.5	49.7	31.6	67.4
50	63	75.3	63.5	62.7	38.1	80.2
65	75	88.9	75.5	74.7	44.2	92.6
80	90	104.9	90.5	89.6	51.7	108.1
100	110	127.5	110.6	109.6	61.3	128.1



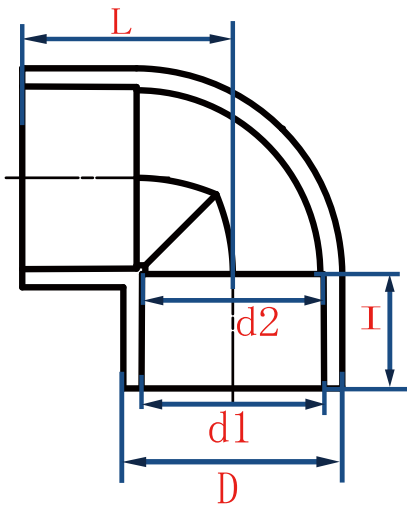
• ELBOW-45DEG (S×S)

DN	SIZE	D	d1	d2	I	L
15	20	26.3	20.3	19.9	16.2	23
20	25	31.8	25.3	24.9	19.3	26
25	32	39.9	32.3	31.8	22.4	31.5
32	40	49.2	40.4	39.8	26.2	38.5
40	50	59.9	50.5	49.7	31.4	46
50	63	75.4	63.5	62.7	38	54
65	75	89	75.5	74.7	44.3	67
80	90	104.9	90.5	89.6	51.4	72
100	110	127.8	110.6	109.6	62	86



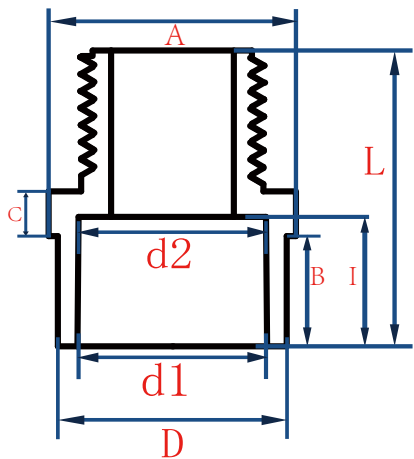
• ELBOW-90DEG (S×S)

DN	SIZE	D	d1	d2	I	L
15	20	26.3	20.3	19.9	16.3	28
20	25	31.8	25.3	24.9	19.3	33.5
25	32	39.9	32.3	31.8	22.4	40
32	40	49.2	40.4	39.8	26.2	48.5
40	50	59.9	50.5	49.7	31.4	58.5
50	63	75.4	63.5	62.7	38	72
65	75	89	75.5	74.7	44.3	84
80	90	104.9	90.5	89.6	51.4	99
100	110	127.8	110.6	109.6	62	119



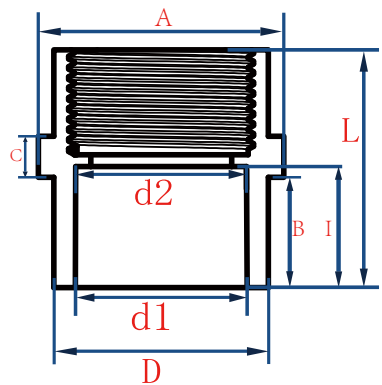
TRANSPARENT FITTINGS

MALE ADAPTOR (M×S)



DN	SIZE	D	d1	d2	A	B	C	I	L
15	20	26.7	20.3	19.9	28.7	12.3	8.1	16	34.8
20	25	32.3	25.3	24.9	34.6	15	8.3	19.1	38.8
25	32	40	32.3	31.8	42.1	17.6	10.2	22.7	45.2
32	40	49.4	40.4	39.8	52	20	11.1	26.4	50.8
40	50	60.9	50.5	49.7	62.7	25	12.2	31.6	57
50	63	75.6	63.5	62.7	78	32	13.3	38	69
65	75	89	75.5	74.7	91.1	37.4	14.3	43.1	80.1
80	90	105.1	90.5	89.6	106.8	44.1	15.5	50.7	90.5
100	110	127.8	110.6	109.6	130.6	50	20.2	60.4	106.5

FEMALE ADAPTOR (F×S)

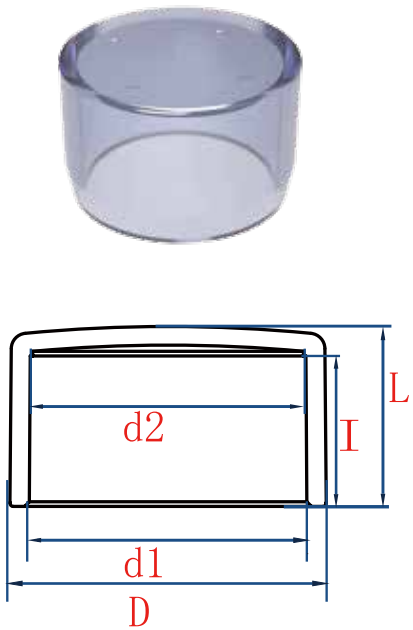


DN	SIZE	D	d1	d2	A	B	C	I	L
15	20	26.5	20.3	19.9	28.7	12	8	16.4	33.6
20	25	32	25.3	24.9	34.6	14.5	8	19.1	36.9
25	32	39.9	32.3	31.8	42.2	16.9	10	22.4	42.4
32	40	49.4	40.4	39.8	52.2	19.52	11	26.4	49.2
40	50	60.7	50.5	49.7	62.7	25	12.2	31.5	54.1
50	63	75.6	63.5	62.7	77.8	31.9	12.9	37.8	65.3
65	75	89.1	75.5	74.7	91.2	37.64	14	43.9	76.1
80	90	105.3	90.5	89.6	107	44.4	15	51	81.1
100	110	127.7	110.6	109.6	131	54.2	15.7	61.2	102.3

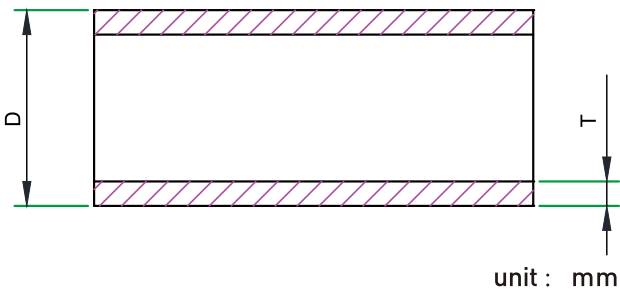
TRANSPARENT FITTINGS

CAP

DN	SIZE	D	d1	d2	I	L
15	20	26.4	20.3	19.9	17.2	22.6
20	25	32	25.3	24.9	20	26.2
25	32	39.7	32.3	31.8	23.5	30.5
32	40	49.3	40.4	39.8	28	36.8
40	50	60.6	50.5	49.7	33.3	43.9
50	63	75.4	63.5	62.7	39.7	53
65	75	88.8	75.5	74.7	47	62
80	90	105	90.5	89.6	53.7	71.2
100	110	127.6	110.6	109.6	64.1	86.6



PVC CLEAR PIPE (DIN)



ITEM NO.	SIZE	D OD OF PIPE	T THCKNESS
C502011	200 PN	20	20.0+0.3 2.0+0.4
C502511	200 PN	25	25.0+0.3 2.0+0.5
C503211	240 PN	32	32.0+0.3 2.40+0.5
C504011	200 PN	40	40.0+0.3 2.0+0.5
C505011	240 PN	50	50.0+0.3 2.40+0.6
C506311	300 PN	63	63.0+0.3 3.0+0.6
C507511	360 PN	75	75.0+0.3 3.60+0.6
C509011	430 PN	90	90.0+0.3 4.30+0.7
C511011	420 PN	110	110.0+0.4 4.20+0.8
C516011	490 PN	160	160.0+0.5 4.90+0.8