



PRODUCT CATALOG

OSOOL AGRICULTURE TRADING COMPANY
for Irrigation and Agriculture

About The Company

Introduction to OSOOL AGRICULTURE TRADING COMPANY for Irrigation and Agriculture

Osool Agriculture for Leading Irrigation System is a leading company in the field of irrigation and agriculture, specializing in providing comprehensive solutions to enhance and improve agricultural operations.

We are committed to delivering the latest irrigation and agricultural technologies to ensure efficient water use and increased productivity, while adhering to environmental sustainability principles.

Our company offers a wide range of services, including:

- Designing and implementing modern irrigation systems
- Supplying advanced agricultural equipment
- Providing technical consultations and support to help farmers achieve optimal crop yields





CERTIFICATE OF REGISTRATION

This is to certify that:

OSOOL AGRICULTURE TRADING COMPANY

7888 AL SABBAKH ST, POSTAL CODE 52339, 2936 AL SABBAKH DIST, BURAIDAH, SAUDI ARABIA

The management system of the above organisation has been assessed by UMS Certifications and found to comply with the requirements of the management system standards detailed below:

STANDARD

ISO 9001:2015

Quality Management System

For the following activities:

Manufacturing of Plastic Pipes, Hoses, Tubes, and Related Components and Accessories; Retail Sale of Agricultural Machinery, Equipment, and Spare Parts; Sale of Electrical and Communication Cables; Retail Sale of Agricultural Pesticides, Electric Generators and Accessories; Sale of Plastic Tools and Materials including Bags; Sale of Irrigation Systems, Fittings, and Spare Parts, and Provision of Supply, Execution, and Project Management Services.

Certificate Number: UMS140591443

Client ID:	Date of Registration:	**Expiry Date:
OS338	14/05/2025	13/05/2028

Surveillance 01 on/before dated: 13/04/2026
Surveillance 02 on/before dated: 13/04/2027



Vinay K. Arora
Authorised Signatory
on behalf of UMS Certifications Pvt. Ltd



Scan this QR code with smartphone to verify the certificate status

*Information about this certificate can be inquired at the official website of certification (www.umscert.com).
*Validity of this certificate is subject to successful and timely completion of the annual surveillance audit.
*This certificate remains the property of UMS Certifications and shall have to be returned back when demanded.



UMS Certifications Private Limited
J-5, 3F, Ganesh Nagar, Janakpuri East,
Delhi - 110018, India
info@umscert.com | 011-44777570
www.umscert.com

Accredited By:
United Accreditation Foundation Inc. (UAF)
1060 Laskin Road, STE 12B/13B
Virginia Beach, VA 23451
United States of America.



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STANDARD

ISO 14001:2015

Environmental Management System

For the following activities:

Manufacturing of Plastic Pipes, Hoses, Tubes, and Related Components and Accessories; Retail Sale of Agricultural Machinery, Equipment, and Spare Parts; Sale of Electrical and Communication Cables; Retail Sale of Agricultural Pesticides, Electric Generators and Accessories; Sale of Plastic Tools and Materials including Bags; Sale of Irrigation Systems, Fittings, and Spare Parts, and Provision of Supply, Execution, and Project Management Services.

Certificate Number: UMS1405141444

Client ID:	Date of Registration:	**Expiry Date:
OS338	14/05/2025	13/05/2028

Surveillance 01 on/before dated: 13/04/2026
Surveillance 02 on/before dated: 13/04/2027



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STANDARD

ISO 45001:2018

Occupational Health & Safety Management System

For the following activities:

Manufacturing of Plastic Pipes, Hoses, Tubes, and Related Components and Accessories; Retail Sale of Agricultural Machinery, Equipment, and Spare Parts; Sale of Electrical and Communication Cables; Retail Sale of Agricultural Pesticides, Electric Generators and Accessories; Sale of Plastic Tools and Materials including Bags; Sale of Irrigation Systems, Fittings, and Spare Parts, and Provision of Supply, Execution, and Project Management Services.

Certificate Number: UMS1405451445

Client ID:	Date of Registration:	**Expiry Date:
OS338	14/05/2025	13/05/2028

Surveillance 01 on/before dated: 13/04/2026
Surveillance 02 on/before dated: 13/04/2027



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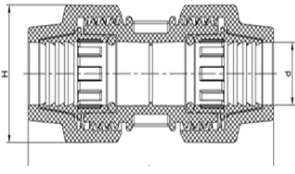
+966552462950
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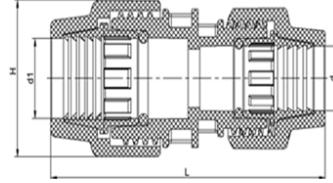
COMPRESSION FITTINGS

Coupling



Size	H	L	d
20	45	103	20
25	55	112	25
32	62	132	32
40	79	159.3	40
50	96	186.5	50
63	114	229.5	63
75	232	131	75
90	257	154	90
110	299	183	110

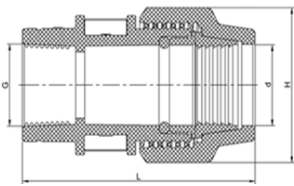
Reducer



Size	H	L	d	d2
25*20	55	119	25	20
32*20	62	128.3	32	20
32*25	62	134.5	32	25
40*25	79	150	40	25
40*32	79	158.6	40	32
50*20	96	161	50	20
50*25	96	167.5	50	25
50*32	96	175.5	50	32
50*40	96	188.5	50	40
63*25	114	195.5	63	25
63*32	114	204	63	32
63*40	114	217	63	40

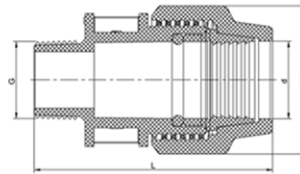
Size	H	L	d	d2
63*50	114	228	63	50
75*50	215	129	75	50
75*63	230	129	75	63
90*32	219	149	90	32
90*50	234	149	90	50
90*63	250	149	90	63
90*75	279	149	90	75
110*32	256	182	110	32
110*50	256	182	110	50
110*63	270	182	110	63
110*75	308	182	110	75
110*90	323	182	110	90

Female adaptor



Size	H	L	d	G
20*1/2	45	75.3	20	1/2"
20*3/4	45	75.3	20	3/4"
20*1	45	75.1	20	1"
25*1/2	55	80.8	25	1/2"
25*3/4	55	81	25	3/4"
25*1	55	84.5	25	1"
32*1/2	62	91.5	32	1/2"
32*3/4	62	91.7	32	3/4"
32*1	62	95.3	32	1"
32*1 1/4	62	102.5	32	1 1/4"
40*1	79	109	40	1"
40*1 1/4	79	111.5	40	1 1/4"
40*1 1/2	79	112	40	1 1/2"
50*1 1/4	96	125	50	1 1/4"
50*1 1/2	96	126	50	1 1/2"
50*2	96	129.5	50	2"
63*1 1/4	114	156.5	63	1 1/4"
63*1 1/2	114	156.5	63	1 1/2"
63*2	114	159	63	2"
75*2"	150	131	75	2"
75*2 1/2"	160	131	75	2 1/2"
75*3"	165	131	75	3"
90*2 1/2"	163	154	90	2 1/2"
90*3"	182	154	90	3"
90*4"	172	154	90	4"
110*3"	188	183	110	3"
110*4"	192	183	110	4"
20*1/2	45	75.3	20	1/2"
20*3/4	45	75.3	20	3/4"

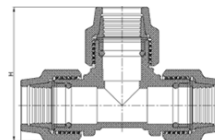
Male adaptor



Size	H	L	d	G
20*1/2	45	77	20	1/2"
20*3/4	45	78	20	3/4"
20*1	45	80	20	1"
25*1/2	55	83.8	25	1/2"
25*3/4	55	84.5	25	3/4"
25*1	55	86.5	25	1"
32*1/2	62	94.5	32	1/2"
32*3/4	62	95	32	3/4"
32*1	62	97	32	1"
32*1 1/4	62	99	32	1 1/4"
40*1	79	111	40	1"
40*1 1/4	79	114	40	1 1/4"
40*1 1/2	79	116	40	1 1/2"
50*1	96	126	50	1"

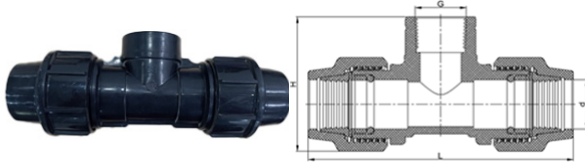
Size	H	L	d	G
50*1 1/4	96	128	50	1 1/4"
50*1 1/2	96	130	50	1 1/2"
50*2	96	128.5	50	2"
63*1 1/4	114	161	63	1 1/4"
63*1 1/2	114	160.5	63	1 1/2"
63*2	114	163	63	2"
63*2 1/2	114	159.5	63	2 1/2"
75*2"	148	131	75	2"
75*2 1/2"	156	131	75	2 1/2"
75*3"	165	131	75	3"
90*2 1/2"	163	154	90	2 1/2"
90*3"	172	154	90	3"
90*4"	168	154	90	4"
110*3"	190	181	110	3"
110*4"	190	181	110	4"

Tee



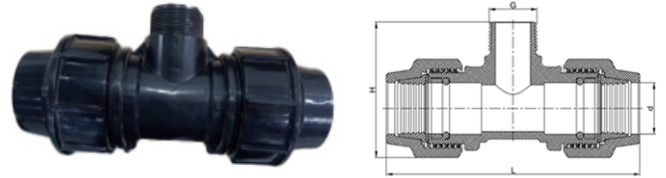
Size	H	L	d
20	89	127.5	20
25	100	134.5	25
32	116	171	32
40	142.5	206	40
50	168	244	50
63	209	307	63
75	323	228	75
90	260	260	90
110	450	225	110

Female tee



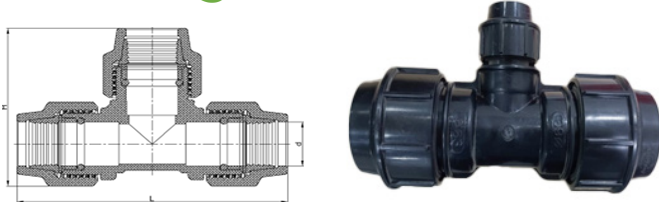
Size	H	L	d	G
20*1/2*20	59.7	134.5	20	1/2"
20*3/4*20	59.5	134.5	20	3/4"
20*1*20	62	134	20	1"
25*1/2*25	67.5	143	25	1/2"
25*3/4*25	68	143.5	25	3/4"
25*1*25	69.8	143	25	1"
32*1/2*32	70.5	185	32	1/2"
32*3/4*32	70.5	184.5	32	3/4"
32*1*32	76	185	32	1"
40*3/4*40	88	221	40	3/4"
40*1*40	88	221.5	40	1"
40*1 1/4*40	88	221	40	1 1/4"
50*1 1/4*50	105.5	255.5	50	1 1/4"
50*1 1/2*50	106	255	50	1 1/2"
63*1 1/2*63	131	340	63	1 1/2"
63*2*63	131	340	63	2"
75*1 1/2*75	165	340	75	1 1/2"
75*2*75	170	350	75	2"
75*2 1/2*75	175	350	75	2 1/2"
90*2 1/2*90	185	365	90	2 1/2"
90*3*90	190	365	90	3"
90*4*90	195	365	90	4"
110*3*110	216	450	110	3"
110*4*110	220	450	110	4"

Male tee



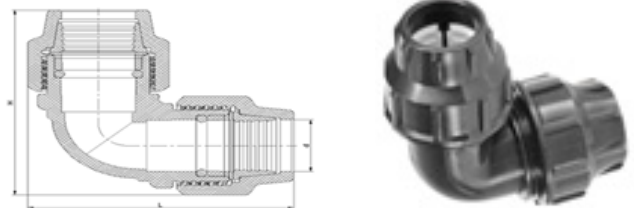
Size	H	L	d	G
20*1/2*20	62	129	20	1/2"
20*3/4*20	63.5	128	20	3/4"
20*1*20	66	128.2	20	1"
25*1/2*25	70	143.5	25	1/2"
25*3/4*25	71	143.3	25	3/4"
25*1*25	73	143	25	1"
32*1/2*32	78.5	184.2	32	1/2"
32*3/4*32	79.5	184	32	3/4"
32*1*32	79	185	32	1"
32*1 1/4*32	80	184.5	32	1 1/4"
40*1*40	105.5	221	40	1"
40*1 1/4*40	105	221	40	1 1/4"
40*1 1/2*40	105.5	221	40	1 1/2"
50*1*50	119	255.6	50	1"
50*1 1/4*50	120.5	256.5	50	1 1/4"
50*1 1/2*50	120	256.5	50	1 1/2"
50*2*50	121.5	256.5	50	2"
63*1 1/4*63	142.5	302.5	63	1 1/4"
63*1 1/2*63	140.5	301.5	63	1 1/2"
63*2*63	142	301.3	63	2"
75*1 1/2*75	165	340	75	1 1/2"
75*2*75	170	350	75	2"
75*2 1/2*75	175	350	75	2 1/2"
90*2 1/2*90	185	365	90	2 1/2"
90*3*90	190	365	90	3"
90*4*90	195	365	90	4"
110*3*110	216	450	110	3"
110*4*110	220	450	110	4"

Reducing Tee



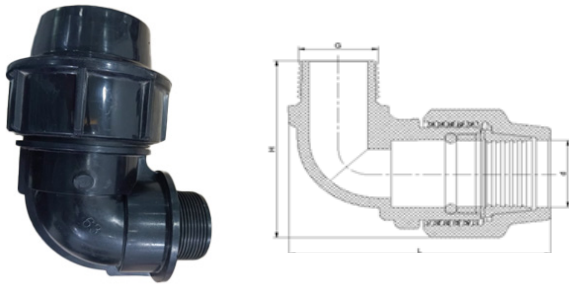
Size	H	L	d	d1
25*20*25	95	143.3	25	20
32*20*32	107	171.7	32	20
32*25*32	111	171.5	32	25
40*25*40	120	198.7	40	25
40*32*40	128.5	200	40	32
50*25*50	139.3	233	50	25
50*32*50	147.5	232.5	50	32
50*40*50	161	233.5	50	40
63*25*63	160	300	63	25
63*32*63	165	300	63	32
63*40*63	175	299.5	63	40
63*50*63	186.5	299	63	50
75*50*75	310	187	75	50
75*63*75	312	200	75	63
90*63*90	366	238	90	63
90*75*90	366	250	90	75
110*75*110	450	265	110	75
110*90*110	445	300	110	90

Elbow



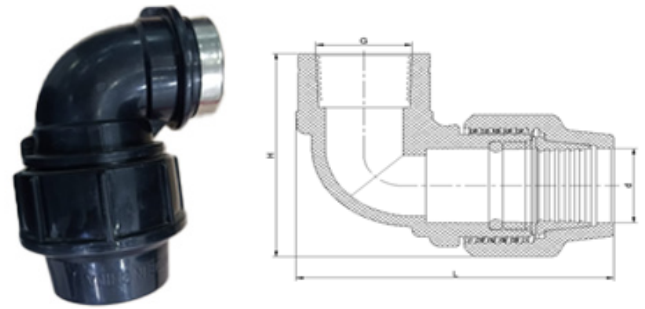
Size	H	L	d
20	86.5	86.5	20
25	99	99	25
32	115	115	32
40	141	141	40
50	168.5	168.5	50
63	206	206	63
75	230	230	75
90	261	261	90
110	317	317	110

Male elbow



Size	H	L	d	G
20*1/2	61.5	81	20	1/2"
20*3/4	62.5	81.5	20	3/4"
20*1	64.5	81	20	1"
25*1/2	70.5	88	25	1/2"
25*3/4	70	88.5	25	3/4"
25*1	72	88.6	25	1"
32*1/2	84	111.3	32	1/2"
32*3/4	87.5	112	32	3/4"
32*1	86.5	111.5	32	1"
32*1 1/4	87.5	112	32	1 1/4"
40*1	106.5	136	40	1"
40*1 1/4	106.5	136	40	1 1/4"
40*1 1/2	107.5	136	40	1 1/2"
50*1 1/4	129	157	50	1 1/4"
50*1 1/2	129.5	158	50	1 1/2"
50*2	128	157.5	50	2"
63*1 1/4	143.5	195.5	63	1 1/4"
63*1 1/2	145.5	195.7	63	1 1/2"
63*2	148.5	196	63	2"
63*2 1/2	148.5	196	63	2 1/2"
75*2	210	153	75	2"
75*2 1/2	209	157	75	2 1/2"
75*3	207	165	75	3"
90*2 1/2	237	204	90	2 1/2"
90*3	237	204	90	3"
90*4	243	195	90	4"
110*3	290	213	110	3"
110*4	290	220	110	4"

Female elbow



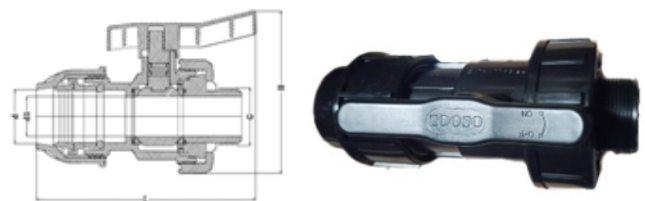
Size	H	L	d	G
20*1/2	60	85.5	20	1/2"
20*3/4	60	86	20	3/4"
20*1	62.3	86.7	20	1"
25*1/2	66.5	90.2	25	1/2"
25*3/4	68.5	90	25	3/4"
25*1	70	94.5	25	1"
32*1/2	83	111.5	32	1/2"
32*3/4	81	112	32	3/4"
32*1	83.2	116.8	32	1"
40*3/4	100	139	40	3/4"
40*1	100	138.5	40	1"
40*1 1/4	100	138.3	40	1 1/4"
40*1 1/2	100	138.5	40	1 1/2"
50*1 1/4	114	165	50	1 1/4"
50*1 1/2	115.8	165	50	1 1/2"
50*2	118	165	50	2"
63*1 1/2	136	205.3	63	1 1/2"
63*2	138	205.5	63	2"
63*2 1/2	140.2	203.5	63	2 1/2"
75*2	218	165	75	2"
75*2 1/2	215	165	75	2 1/2"
75*3	215	176	75	3"
90*2 1/2	250	185	90	2 1/2"
90*3	251	193	90	3"
90*4	250	193	90	4"
110*3	300	217	110	3"
110*4	294	219	110	4"

Ball Valve



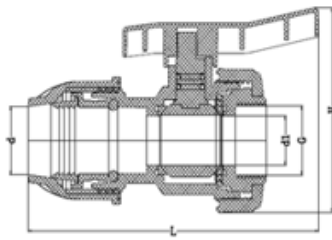
Size	L	H	d	d ₁	body thickness
20*20	133	90	20	13.5	2.1
25*25	150	104	25	19.5	2.5
32*32	175	115	32	25	3.3
40*40	175	116	40	31	4
50*50	215	136	50	39	4
63*63	260	156	63	49	4
75*75	375	183	75	62	4.9
90*90	425	205	90	74	6.5
110*110	490	253	110	89	10

Male ball valve



Size	L	H	d	d ₁	G	body thickness
20*1/2"	115	75	20	13.5	1/2"	2.1
25*3/4"	131	89	25	19.5	3/4"	2.5
32*1"	148	103	32	25	1"	3.2
40*1 1/4"	156	119	40	29.5	1 1/4"	3.5
50*1 1/2"	188	142	50	36	1 1/2"	3.7
63*2	227	165	63	45.5	2"	4.1

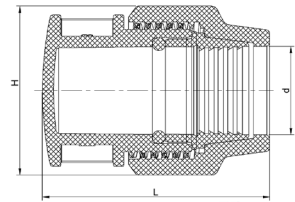
Female ball valve



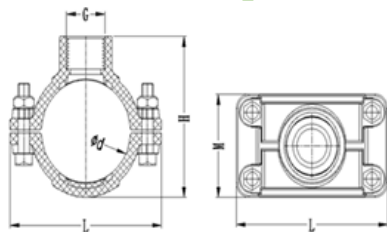
Size	L	H	d	d ₁	G	body thickness
20*1/2"	115	75	20	13.5	1/2"	2.1
25*3/4"	131	89	25	19.5	3/4"	2.5
32*1"	148	103	32	25	1"	3.2
40*1 1/4"	156	119	40	29.5	1 1/4"	3.5
50*1 1/2	188	142	50	36	1 1/2"	3.7
63*2	227	165	63	45.5	2"	4.1

End cap

Size	H	L	d
20	45	65	20
25	55	75	25
32	62	82	32
40	79	97.3	40
50	96	113.5	50
63	114	142	63
75	127	131	75
90	139	154	90
110	159	182	110



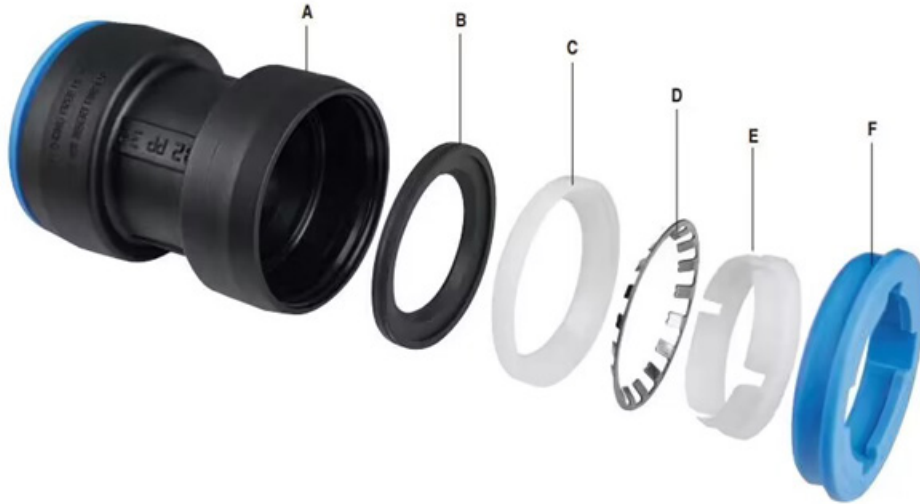
Saddle clamps



Size	L	M	H	d	G
20*1/2"	59	44.5	41.5	20	1/2"
25*1/2"	66	47	50	25	1/2"
25*3/4"	66	47	50	25	3/4"
32*1/2"	69	49	61	32	1/2"
32*3/4"	69	49	63	32	3/4"
32*1"	78	59	67	32	1"
40*1/2"	84	64	72.5	40	1/2"
40*3/4"	84	64	72.5	40	3/4"
40*1"	84	64	76	40	1"
50*1/2"	94	64	83	50	1/2"
50*3/4"	94	64	83	50	3/4"
50*1"	94	64	87	50	1"
50*1 1/4"	94	70	97	50	1 1/4"
50*1 1/2"	94	70	97	50	1 1/2"
63*1/2"	108	64	98.5	63	1/2"
63*3/4"	108	64	99.5	63	3/4"
63*1"	108	64	102.5	63	1"
63*1 1/4"	108	80	107	63	1 1/4"
63*1 1/2"	108	80	107	63	1 1/2"
63*2"	108	80	107	63	2"
75*1/2"	121	66	111	75	1/2"
75*3/4"	121	66	111	75	3/4"
75*1"	121	66	115	75	1"
75*1 1/4"	121	89	123	75	1 1/4"
75*1 1/2"	121	89	123	75	1 1/2"
75*2"	121	89	123	75	2"
90*1/2"	139	70	126.5	90	1/2"
90*3/4"	139	70	126.5	90	3/4"
90*1"	139	70	130	90	1"
90*1 1/4"	139	89	137	90	1 1/4"
90*1 1/2"	139	89	137	90	1 1/2"

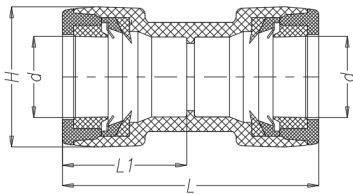
Size	L	M	H	d	G
90*2"	139	89	137	90	2"
110*1/2"	159	76	133	110	1/2"
110*3/4"	159	76	133	110	3/4"
110*1"	159	76	133	110	1"
110*1 1/4"	159	89	158	110	1 1/4"
110*1 1/2"	159	89	158	110	1 1/2"
110*2"	159	89	158	110	2"
110*2 1/2"	161	125	165.5	110	2 1/2"
110*3"	161	125	169.5	110	3"
125*1/2"	170	99	155	125	1/2"
125*3/4"	170	99	156	125	3/4"
125*1"	170	99	158	125	1"
125*1 1/4"	170	99	161	125	1 1/4"
125*1 1/2"	170	99	162	125	1 1/2"
125*2"	170	99	164	125	2"
140*1/2"	185	99	175	140	1/2"
140*3/4"	185	99	176	140	3/4"
140*1"	185	99	178	140	1"
140*1 1/4"	185	99	180	140	1 1/4"
140*1 1/2"	185	99	180	140	1 1/2"
140*2"	185	99	180	140	2"
160*1/2"	201	89	204.5	160	1/2"
160*3/4"	201	89	204.5	160	3/4"
160*1"	201	89	206	160	1"
160*1 1/4"	201	89	208	160	1 1/4"
160*1 1/2"	201	89	208	160	1 1/2"
160*2"	201	89	210	160	2"
160*2 1/2"	210	136	214	160	2 1/2"
160*3"	210	136	217	160	3"
160*4"	210	136	231	160	4"

Bushings



Part	Material
Body (A)	(PPB) Polypropylene (PP-B) of exceptional mechanical properties even at high temperature.
O ring gasket (B)	(NBR) Special elastomeric acrylonitrile rubber (NBR) for alimentary use.
Blocking bush (C)	Reinforced Nylon (PA66+GF30)
Metal Clinching ring (D)	Stainless steel
Clenching ring (E)	Polyacetal resin (POM) of high mechanical resistance and hardness.
Cap (F)	(PPB) Polypropylene (PP-B) of exceptional mechanical properties even at high temperature.

COUPLING

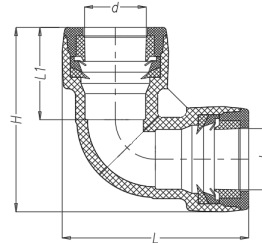


Z1001



SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20	66.5	32.0	36.5	20.0	32.5
25	70.3	34.0	44.4	25.0	47.3
32	74.0	36.0	52.0	32.0	68.0

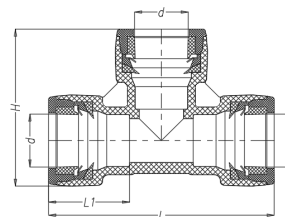
90° ELBOW



SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20	63.5	32.0	63.5	20.0	36.8
25	71.3	34.0	71.3	25.0	52.6
32	81.5	36.0	81.5	32.0	79.8

90° TEE

SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20	89.0	32.0	62.5	20.0	53.5
25	97.5	34.0	70.3	25.0	77.3
32	109.0	36.0	80.0	32.0	111.4

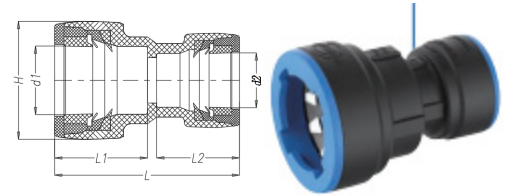


Z2001



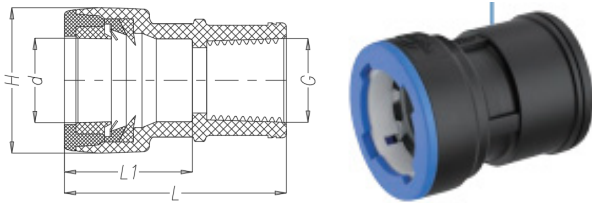
REDUCING COUPLING

SIZE	L/mm	L1/mm	L2/mm	H/mm	d1/mm	d2/mm	Weight/g
25*20	67.5	34.0	32.0	44.4	25.0	20.0	41.5
32*20	70.1	36.0	32.0	52.0	32.0	20.0	53.7
32*25	72.0	36.0	34.0	52.0	32.0	25.0	60.0



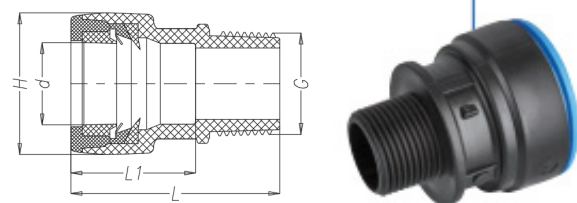
Z1002

FEMALE ADAPTOR



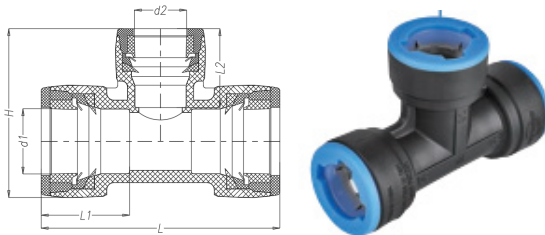
SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20*1/2	54.6	32.0	36.5	20.0	24.9
25*1/2	56.5	34.0	44.5	25.0	31.9
25*3/4	57.0	34.0	44.5	25.0	32.7
25*1	60.5	34.0	44.5	25.0	42.2
32*1/2	59.5	36.0	52.0	32.0	44.1
32*3/4	60.0	36.0	52.0	32.0	46.6

MALE ADAPTOR



SIZE	L/mm	L1/mm	H/mm	d/mm	G	Weight/g
20*1/2	53.5	32.0	36.5	20.0	1/2"	19.9
20*3/4	53.5	32.0	36.5	20.0	3/4"	20.0
20*1	57.0	32.0	36.5	20.0	1"	24.4
25*1/2	55.0	34.0	44.4	25.0	1/2"	28.7
25*3/4	55.0	34.0	44.4	25.0	3/4"	28.6
25*1	61.0	34.0	44.4	25.0	1"	31.4
32*1/2	58.0	36.0	52.0	32.0	1/2"	41.4
32*3/4	58.0	36.0	52.0	32.0	3/4"	41.4
32*1	64.0	36.0	52.0	32.0	1"	45.0

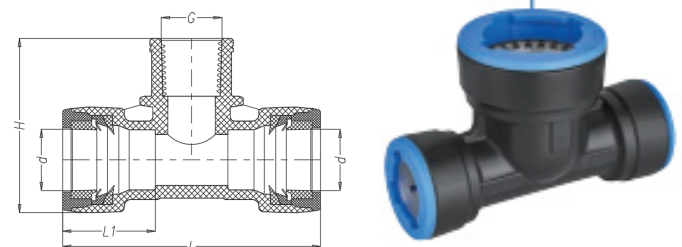
90° REDUCING TEE



Z2002

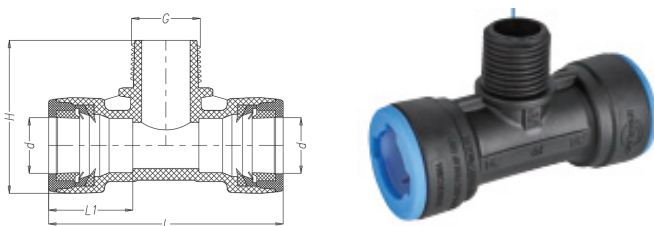
SIZE	L/mm	L1/mm	L2/mm	H/mm	d1/mm	d2/mm	Weight/g
25*20*25	88.7	34.0	32.0	82.9	25.0	20.0	68.8
32*20*32	94.7	36.0	32.0	74.2	32.0	20.0	93.0
32*25*32	99.7	36.0	34.0	76.0	32.0	25.0	101.4

90° FEMALE TEE



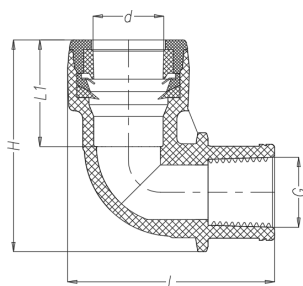
SIZE	L/mm	L1/mm	H/mm	d/mm	G	Weight/g
20*1/2	82.0	32.0	55.2	20.0	1/2"	45.7
20*3/4	86.0	32.0	55.7	20.0	3/4"	49.2
20*1	90.0	32.0	59.7	20.0	1"	58.2
25*1/2	86.0	34.0	61.9	25.0	1/2"	60.8
25*3/4	91.0	34.0	61.9	25.0	3/4"	65.8
25*1	95.0	34.0	65.9	25.0	1"	67.3
32*1/2	90.9	36.0	70.3	32.0	1/2"	84.5
32*3/4	96.6	36.0	70.3	32.0	3/4"	90.2
32*1	99.9	36.0	74.3	32.0	1"	97.7

90° MALE TEE



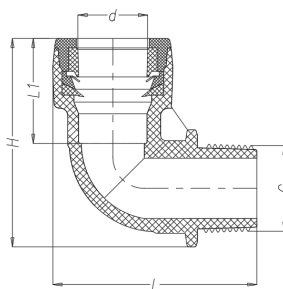
SIZE	L/mm	L1/mm	H/mm	d/mm	G	Weight/g
20*1/2	82.0	32.0	53.0	20.0	1/2"	39.9
20*3/4	82.0	32.0	53.0	20.0	3/4"	48.2
20*1	82.0	32.0	57.3	20.0	1"	44.2
25*1/2	86.0	34.0	59.9	25.0	1/2"	55.8
25*3/4	91.0	34.0	59.6	25.0	3/4"	57.5
25*1	91.0	34.0	63.7	25.0	1"	60.2
32*1/2	87.0	36.0	68.3	32.0	1/2"	80.4
32*3/4	93.0	36.0	68.1	32.0	3/4"	82.9
32*1	93.0	36.0	72.1	32.0	1"	86.3

90° FEMALE ELBOW



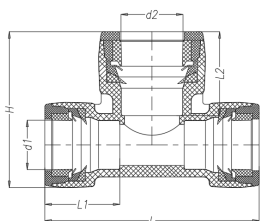
SIZE	L/mm	L1/mm	H/mm	d/mm	G	Weight/g
20*1/2	58.2	32.0	66.9	20.0	1/2"	32.2
20*3/4	58.2	32.0	70.1	20.0	3/4"	33.5
25*1/2	64.3	34.0	66.5	25.0	1/2"	37.7
25*3/4	64.3	34.0	69.7	25.0	3/4"	42.4
32*1/2	65.3	36.0	72.8	32.0	1/2"	51.5
32*3/4	71.4	36.0	77.0	32.0	3/4"	57.7
32*1	78.9	36.0	78.6	32.0	1"	64.3

90° MALE ELBOW



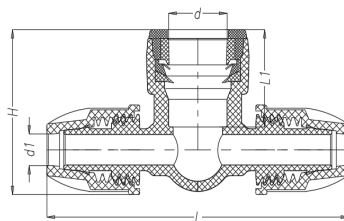
SIZE	L/mm	L1/mm	H/mm	d/mm	G	Weight/g
20*1/2	61.0	32.0	62.0	20.0	1/2"	24.6
20*3/4	61.0	32.0	64.3	20.0	3/4"	28.6
20*1	64.0	32.0	67.0	20.0	1"	31.0
25*1/2	66.8	34.0	64.8	25.0	1/2"	32.7
25*3/4	66.8	34.0	67.0	25.0	3/4"	37.8
25*1	70.8	34.0	69.8	25.0	1"	38.0
32*1/2	74.3	36.0	67.2	32.0	1/2"	46.1
32*3/4	74.3	36.0	74.2	32.0	3/4"	50.4
32*1	76.3	36.0	74.2	32.0	1"	51.0

90° REDUCING TEE



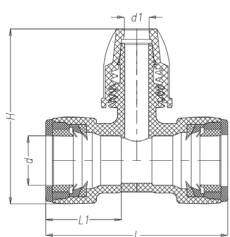
SIZE	L/mm	L1/mm	L2/mm	H/mm	d1/mm	d2/mm	Weight/g
20*25*20	91.5	32.0	34.0	59.0	20.0	25.0	61.1
20*32*20	96.8	32.0	36.0	60.5	20.0	32.0	73.7
25*32*25	101.7	34.0	36.0	71.5	25.0	32.0	89.2

IRRIGATION TEE



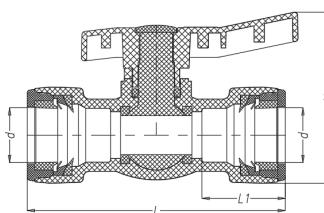
SIZE	L/mm	L1/mm	H/mm	d/mm	d1/mm	Weight/g
16*20*16	97.0	32.0	55.5	20.0	16.0	42.3
20*20*20	103.0	32.0	56.5	20.0	20.0	51.3
16*25*16	103.0	34.0	56.5	25.0	16.0	49.3
20*25*20	109.0	34.0	61.0	25.0	20.0	59.9
25*25*25	119.0	34.0	66.8	25.0	25.0	73.5
16*32*16	109.0	36.0	58.8	32.0	16.0	64.7
20*32*20	115.0	36.0	62.9	32.0	20.0	73.5
25*32*25	125.0	36.0	69.1	32.0	25.0	87.8

IRRIGATION TEE



SIZE	L/mm	L1/mm	H/mm	d/mm	d1/mm	Weight/g
20*16*20	75.8	32.0	67.2	20.0	16.0	46.4
25*16*25	79.7	34.0	73.9	25.0	16.0	61.1
25*20*25	73.2	34.0	80.3	25.0	20.0	67.6
32*16*32	94.9	36.0	82.2	32.0	16.0	89.3
32*20*32	88.6	36.0	87.4	32.0	20.0	121.3
32*25*32	93.1	36.0	87.6	32.0	25.0	98.1

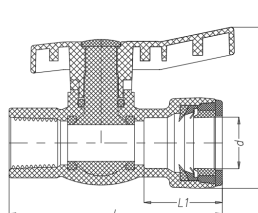
BALL VALVE



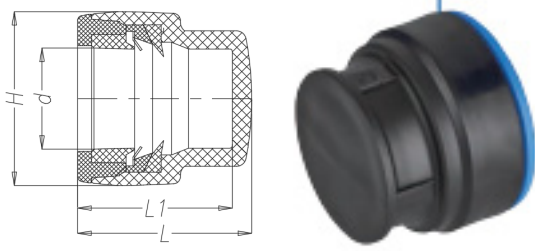
SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20	103.5	32.0	65.6	20.0	69.5
25	107.0	34.0	81.0	25.0	109.2
32	130.1	36.0	98.5	32.0	174.2

FEMALE BALL VALVE

SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20*1/2	92.0	32.0	65.6	20.0	59.5
25*3/4	103.0	34.0	81.0	25.0	123.8
32*1	123.3	36.0	98.5	32.0	154.3

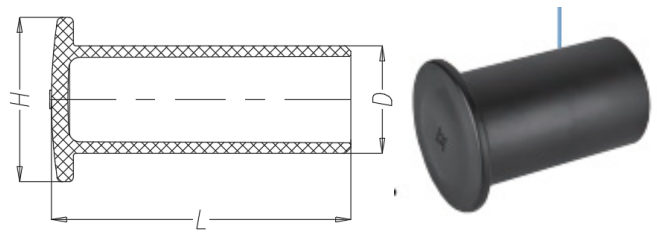


END PLUG



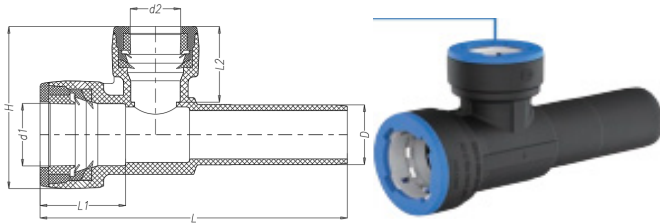
SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20	36.0	32.0	36.5	20.0	18.6
25	38.5	34.0	44.4	25.0	26.3
32	40.5	36.0	52.0	32.0	38.7

PLUG



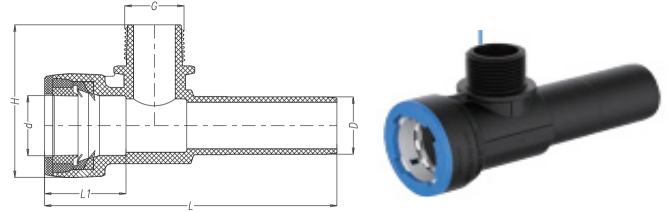
SIZE	L/mm	H/mm	d/mm	Weight/g
20	55.0	30.0	20.0	9.7
25	56.2	35.0	25.0	14.0
32	57.9	42.0	32.0	19.6

UNIVERSAL TEE



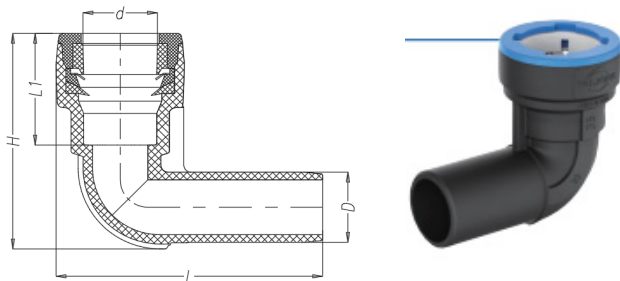
SIZE	L/mm	L1/mm	L2/mm	H/mm	d1/mm	d2/mm	D/mm	Weight/g
25*20*25	119.6	34.0	32.0	65.8	25.0	20.0	25.0	56.7
32*20*32	135.8	36.0	32.0	73.9	32.0	20.0	32.0	77.0
32*25*32	135.8	36.0	34.0	75.8	32.0	25.0	32.0	84.3

UNIVERSAL MALE TEE



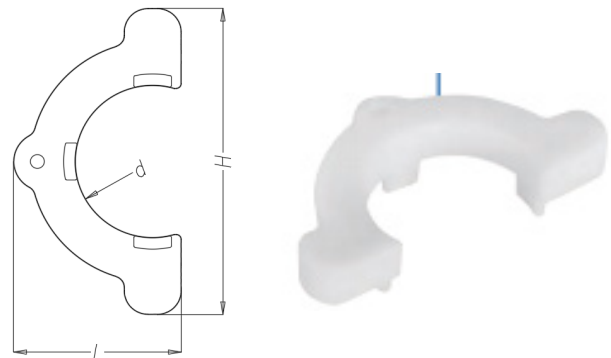
SIZE	L/mm	L1/mm	H/mm	d/mm	D/mm	G	Weight/g
25*1/2*25	119.6	34.0	59.9	25.0	25.0	1/2"	45.1
25*3/4*25	119.6	34.0	59.9	25.0	25.0	3/4"	47.4
32*1/2*32	136.0	36.0	68.0	32.0	32.0	1/2"	67.2
32*3/4*32	136.0	36.0	68.0	32.0	32.0	3/4"	67.9
32*1*32	136.0	36.0	74.1	32.0	32.0	1"	72.3

UNIVERSAL ELBOW



SIZE	L/mm	L1/mm	H/mm	d/mm	Weight/g
20*20	84.5	32.0	60.7	20.0	25.2
25*25	90.9	34.0	67.5	25.0	37.3
32*32	102.4	36.0	77.9	32.0	58.6

KEY

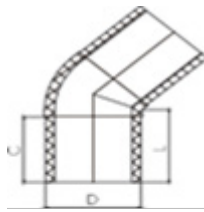


SIZE	L/mm	H/mm	d/mm	Weight/g
20	27.0	49.0	20.0	5.9
25	30.5	53.7	25.0	6.9
32	35.5	64.2	32.0	9.4

PE Butt Fusion FITTINGS

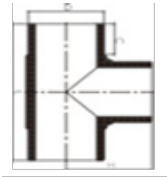
ELBOW 45°

Size	D	L	C
L63	63	29.4	35.5
L75	75	73	85
L90	90	78	90
L110	110	80	95
L125	125	95	105
L160	160	95	115
L200	200	110	130
L225	225	120	125
L250	250	112	125
L315	315	110	125



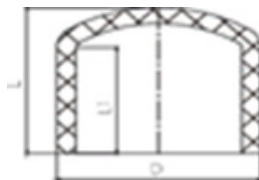
STRAIGHT TEE

Size	H	L	C	H
T63*63	63	210	65	105
T75*75	75	250	73	125
T90*90	90	280	80	140
T110*110	110	310	82	155
T125*125	125	320	87	160
T140*140	140	354	92	177
T160*160	160	372	80	190
T180*180	180	423	105	210
T200*200	200	420	105	210
T225*225	225	470	110	235



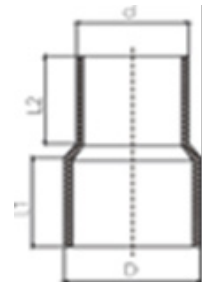
END CAP

Size	D	L
63	63	77.9
75	75	90
90	90	95
110	110	95
125	125	105
140	140	115.5
160	160	120
180	180	135
200	200	140
225	225	130
250	250	125
280	280	130
315	315	150
355	355	157
400	400	165
450	450	157
500	500	170
560	560	196
630	630	196



REDUCING COUPLING

Size	H	L	C	H	
S75*63	75	63	144	73	65
S90*50	90	50	154	79	55
S90*63	90	63	157	78	65
S90*75	90	75	159	78	73
S110*50	110	50	167	82	55
S110*63	110	63	169	80	65
S110*75	110	75	171	80	73
S110*90	110	90	168	80	78
S125*75	125	75	170	80	75
S125*90	125	90	200	85	85
S125*110	125	110	187.5	90	90
S160*63	160	63	221	82	85
S160*75	160	75	221	89	90
S160*90	160	90	221	96	85
S160*110	160	110	220	106	90
S160*125	160	125	215	100	90
S180*90	180	90	255	80	85
S180*140	180	140	180	80	86
S200*90	200	90	260	90	113
S200*110	200	110	260	100	110
S200*160	200	160	260	105	120
S225*110	225	110	257.7	95	95
S225*160	225	160	242.5	100	110
S225*200	225	200	242.5	80	105
S250*110	250	110	240	110	85
S250*160	250	160	280	102	135
S250*200	250	200	275	115	120
S315*110	315	110	210.5	70	90
S315*160	315	160	205.5	72	85
S315*200	315	200	267	105	120
S315*250	315	250	263	105	125
S400*315	400	315	312.5	95	135
S450*250	450	250	90	92	235
S450*315	450	315	90	100	235
S500*250	500	250	90	120	255
S500*315	500	315	90	122	255
S500*400	500	400	310	95	130
S630*500	630	500	335	100	135



REDUCING TEE



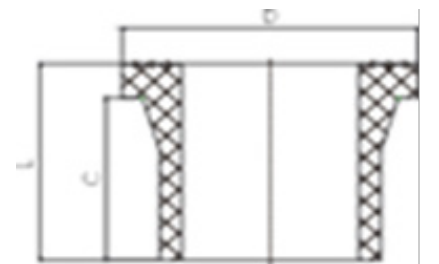
Size	H	d2	L	C1	C2	H
T63*50	63	50	210	65	55	95
T75*50	75	50	250	73	55	107
T75*63	75	63	250	73	65	117
T90*50	90	50	280	80	55	110
T90*63	90	75	280	80	65	120
T90*75	90	75	280	80	73	129
T110*50	110	50	310	82	60	135
T110*63	110	63	310	82	65	140
T110*75	110	75	310	82	80	145
T110*90	110	90	310	82	80	155
T125*50	125	50	320	87	55	128
T125*63	125	63	320	87	63	136
T125*75	125	75	320	87	70	143
T125*90	125	90	320	87	80	152
T125*110	125	110	320	87	82	155
T140*63	140	63	354	92	65	150
T140*75	140	75	354	92	70	155
T140*90	140	90	354	92	79	164
T140*110	140	110	354	92	82	167
T140*125	140	125	354	92	87	172
T160*50	160	50	372	90	65	155
T160*63	160	63	372	90	65	160
T160*75	160	75	372	90	70	165

Size	H	d2	L	C1	C2	H
T160*90	160	90	372	90	80	175
T160*110	160	110	372	90	90	185
T180*110	180	110	423	105	82	188
T180*125	180	125	423	105	87	193
T180*140	180	140	423	105	92	198
T180*160	180	160	423	105	98	204
T200*63	200	63	420	108	65	181
T200*75	200	75	420	108	75	200
T200*90	200	90	420	108	90	200
T200*110	200	110	420	108	90	200
T200*160	200	160	420	108	90	200
T225*110	225	110	470	110	83	222
T225*160	225	160	470	110	98	222
T225*200	225	200	470	110	110	235
T250*110	250	110	465	90	95	230
T250*160	250	160	465	90	100	240
T250*200	250	200	465	90	120	255
T315*110	315	110	520	90	90	260
T315*160	315	160	520	90	90	265
T315*200	315	200	520	90	90	280
T315*225	315	225	520	95	105	290
T315*250	315	250	520	95	120	290
T400*110	400	110	500	100	110	
T400*160	400	160	500	100	110	
T400*200	400	200	500	100	110	
T400*250	400	250	500	100	110	
T400*315	400	315	500	100	110	

STUB FLNGE

Size	D	d2	L	C
F50	88	50	88	75
F63	102	63	100	85
F75	120	75	110	94
F90	138	90	120	102
F110	150	110	120	102
F125	158	125	130	110
F140	188	140	130	108
F160	205	160	120	98
F180	212	180	140	115
F200	268	200	150	122
F225	268	225	150	120
F250	315	250	145	120
F280	320	280	140	140

Size	D	d2	L	C
F315	370	315	160	150
F355	430	355	170	130
F400	480	400	210	158
F450	525	450	180	135
F500	580	500	220	170
F630	685	630	230	180
F710	800	710	215	165
F800	900	800	215	160



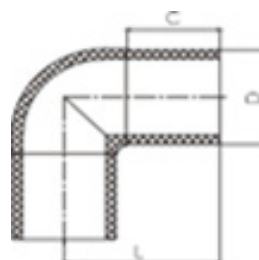
STEEL FLANGE

Size	D	K	B	n	D2
63	165	125	77	4	18
75	185	145	90	4	18
90	200	160	106	8	18
110	220	180	126	8	18
125	250	210	135	8	18
160	285	240	178	8	22
200	340	295	234	8	22
225	340	295	241	8	22
250	405	355	287	12	26
315	460	410	337	12	26
355	505	460	369	16	22
400	565	515	418	16	26
450	615	565	460	20	25
500	670	620	517	20	26
630	780	725	650	20	30
800	1015	950	825	24	33



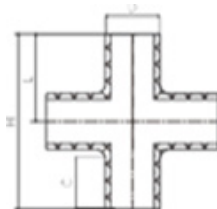
ELBOW 90°

Size	D	C	L
L63	63	65	108
L75	75	73	125
L90	90	78	140
L110	110	82	155
L125	125	87	160
L140	140	92	177
L160	160	85	182
L180	180	105	211
L200	200	95	210
L225	225	110	235
L250	250	90	235
L315	315	105	272
L355	355	120	280
L400	400	110	330
L500	500	120	450
L560	560	125	700
L630	630	130	410
L710	710	180	911
L800	800	180	1002



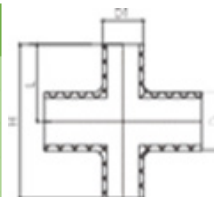
CROSS

Size	D	L	H	C
63	63	210	105	55
90	90	280	140	80
110	110	290	145	82
160	125	378	189	105
200	160	444	222	112
250	200	514	257	120
315	225	574	287	120
63	63	210	105	55
90	90	280	140	80
110	110	290	145	82
160	125	378	189	105
200	160	444	222	112
250	200	514	257	120
315	225	574	287	120



REDUCING CROSS

Size	D	D2	H	L
110*63	110	63	279	123
110*75	110	75	279	130
110*90	110	90	279	137
160*63	160	63	329	147
163*75	160	75	329	154
160*90	160	90	329	162
160*110	160	110	329	165
200*160	200	160	379	185
200*110	200	110	379	185
250*110	250	110	461	221
250*160	250	160	461	211
250*200	250	200	461	216
315*110	315	110	543	248
315*160	315	160	543	248
315*200	315	200	543	253
315*250	315	250	543	268



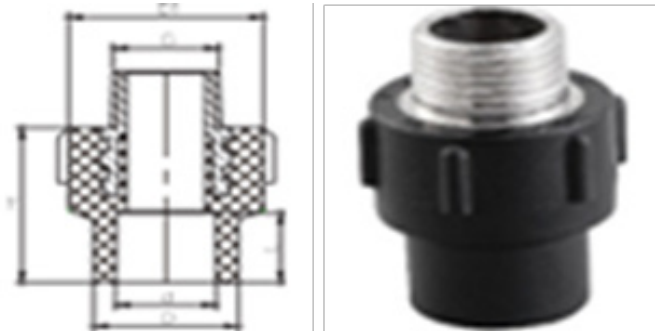
FEMALE THREAD

Size	D	d2	D3	L	H	G
20*1/2"	27.8	19.2	37.2	16.5	38.5	1/2"
25*1/2"	32.8	24.2	37.2	18.1	40.1	1/2"
25*3/4"	32.8	24.2	44.7	18.1	43.8	3/4"
32*1/2"	41.4	31.2	37.2	20.1	42.1	1/2"
32*3/4"	41.4	31.2	44.7	20.1	45.8	3/4"
32*1"	41.4	31.2	54.3	20.1	49.9	1"
40*1-1/4	50.2	39	67.2	22.5	82.4	1-1/4"
50*1-1/2	63.1	49.1	73.6	22.5	55.8	1-1/2"
63*2	77.9	61.9	90.2	29.4	61	2"

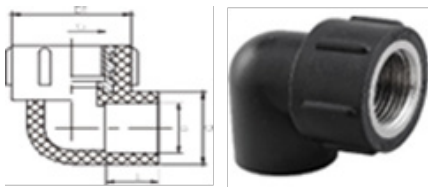


MALE THREAD SOCKET

Size	D	d2	D3	L	H	G
20*1/2"	27.6	19.2	37.2	16.5	36.5	1/2"
25*1/2"	32.8	24.2	37.2	18.1	38.1	1/2"
25*3/4"	32.8	24.2	44.7	18.1	39.8	3/4"
32*1/2"	41.4	31.2	37.2	20.1	40.1	1/2"
32*3/4"	41.4	31.2	44.7	20.1	41.8	3/4"
32*1"	41.4	31.2	54.3	20.1	47.2	1"
40*1-1/4"	50.2	39	67.2	22.5	52.3	1-1/4"
50*1-1/2"	63.1	49.1	73.6	22.5	56.3	1-1/2"
63*2"	77.9	61.9	90.2	29.4	61.2	2"

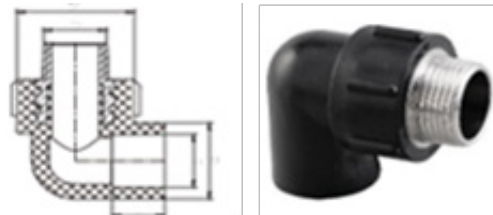


FEMALE THREAD ELBOW



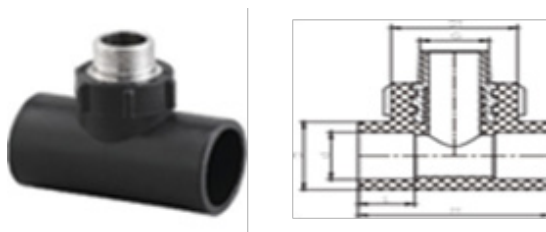
Size	D	d2	D3	L	G
20*1/2"	27.6	19.2	37.2	16.5	1/2"
25*1/2"	32.8	24.2	37.2	18.1	1/2"
25*3/4"	32.8	24.2	44.7	18.1	3/4"
32*1/2"	41.4	31.2	37.2	20.1	1/2"
32*3/4"	41.4	31.2	44.7	20.1	3/4"
32*1"	41.4	31.2	54.3	20.1	1"

MALE THREAD ELBOW



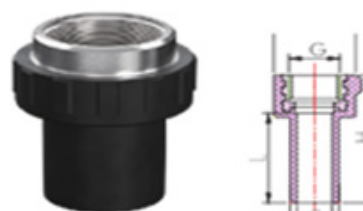
Size	D	d2	D3	L	G
20*1/2"	27.6	19.2	37.2	16.5	1/2"
25*1/2"	32.8	24.2	37.2	18.1	1/2"
25*3/4"	32.8	24.2	44.7	18.1	3/4"
32*1/2"	41.4	31.2	37.2	20.1	1/2"
32*3/4"	41.4	31.2	44.7	20.1	3/4"
32*1"	41.4	31.2	54.3	20.1	1"

MALE THREAD TEE



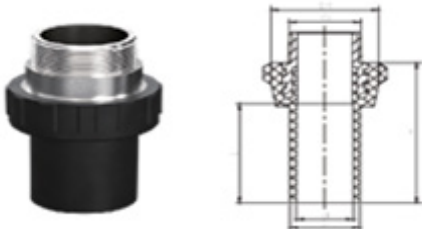
Size	D	d2	D3	L	H	G
20*1/2"	27.6	19.2	37.2	16.5	56.4	1/2"
25*1/2"	32.8	24.2	37.2	18.1	64.2	1/2"
25*3/4"	32.8	24.2	44.7	18.1	64.2	3/4"
32*1/2"	41.4	31.2	37.2	20.1	70	1/2"
32*3/4"	41.4	31.2	44.7	20.1	76	3/4"
32*1"	41.4	31.2	54.3	20.1	81.2	1"

FEMALE THREAD COUPLING



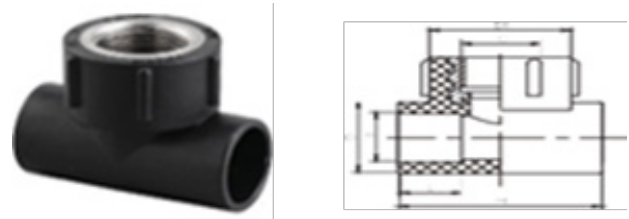
Size	D	d2	D3	L	H	G
20*1/2"	20.2	14.6	33.6	45.1	64.3	1/2"
25*3/4"	25.2	19.2	40.5	44.5	67	3/4"
32*1"	32.2	25.8	49.1	50	74.8	1"
40*1-1/4"	40.2	32	61.2	52	81.1	1-1/4"
50*1-1/2"	50.2	40.4	70.4	59	88.5	1-1/2"
63*2"	63.2	51	87.4	70.1	98.1	2"
75*2-1/2"	75.2	60.6	108.6	80	109.8	2-1/2"
90*3"	90.2	72.6	128.2	90	123.2	3"
110*4"	110.2	88.8	159.2	95	136.1	4"

MALE TRANSITION COUPLING



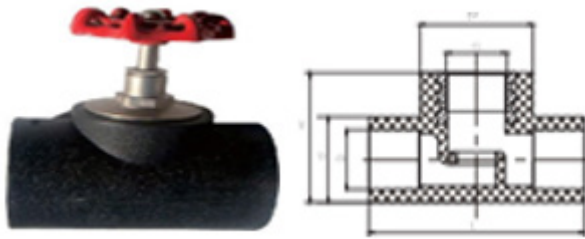
Size	D	d2	D3	L	H	G
20*1/2"	20.2	14.6	31.6	44.5	62.3	1/2"
25*3/4"	25.2	19.2	38.8	47	66.5	3/4"
32*1"	32.2	25.8	47.8	52.3	76.5	1"
40*1-1/4"	40.2	32	59	54.4	79.6	1-1/4"
50*1-1/2"	50.2	40.4	67.8	58.4	87.8	1-1/2"
63*2"	63.2	51	83.1	70	98	2"
75*2-1/2"	75.2	60.6	103.5	81	109	2-1/2"
90*3"	90.2	72.6	120.4	88.5	121.4	3"
110*4"	110.2	88.8	150.8	92	133	4"

FEMALE THREAD TEE



Size	D	d2	D3	L	H	G
20*1/2"	27.6	19.2	37.2	16.5	53.5	1/2"
25*1/2"	32.8	24.2	37.2	18.1	63	1/2"
25*3/4"	32.8	24.2	44.7	18.1	63	3/4"
32*1/2"	41.4	31.2	37.2	20.1	74	1/2"
32*3/4"	41.4	31.2	44.7	20.1	74	3/4"
32*1"	41.4	31.2	54.3	20.1	74	1"

Stop valve



Size	D	d2	D3	L	H	G
20	27.6	19.2	37.2	70.8	41.8	1/2"
25	32.8	24.2	44.7	83	49.85	3/4"
32	41.4	31.2	44.7	68.5	57.9	1"
40	50.2	39	54.3	98.8	70	1-1/4"
50	63.1	49.1	64.7	123.8	85.35	1-1/2"
63	77.9	61.9	37.1	134.7	100.2	2"

ELECTROFUSION FITTINGS

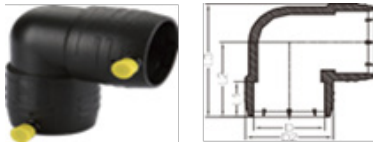
COUPLER



Size	D	d2	D3
20	31	80	39.5
25	36	81	40
32	43	87	43
40	52	87	43
50	63	87	43
63	79	114	56
75	96	126	62
90	113	135	66.5
110	138	151	74.5
125	157	172	85

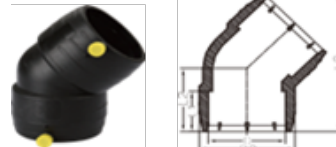
Size	D	d2	D3
160	200	184	91
180	225	191	94.5
200	250	223	110.5
225	287	235	116.5
250	312	248	123
280	348	262	130
315	392	285	141.5
400	499	328	163
500	617	364	181

ELBOW 90°



Size	D2	L	L2	L3
20	31	39.5	56	70.8
25	36	40	58	75.8
32	43	43	65	76.4
40	52	43	70	96
50	63	43	75	106.5
63	79	56	97	136.5
75	96	62	112	160
90	113	66.5	124	180.3
110	138	74.5	145	214
125	157	85	165	243.2
160	200	91	194	294
180	225	94.5	210	322.6
200	250	110.5	240	365.6
250	312.1	123	270	427
315	392.3	141	327	523

ELBOW 45°



Size	D2	L	L2	L3
20	31	39.5	50	94.3
25	36	40	51	88
32	43	43	55	107
40	52	43	57	114.5
50	63	43	59	121.6
63	79	56	81	164
75	96	62	88	181
90	113	66.5	96	199
110	138	74.5	109	230
125	157	85	128	268.5
160	200	91	142.5	307.5
180	225	94.5	155	336.3
200	250	110.5	177	382.7
250	312.1	123	190	431
315	392.3	141	227	522

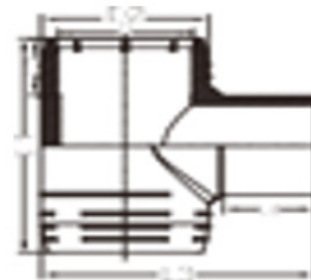
END CAP



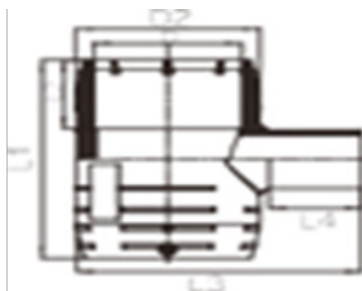
Size	D	L	L2
20	31	68	39.5
25	36	68	40
32	43	68	43
40	52	68	43
50	63	76	43
63	79	88	56
75	96	105.6	62
90	113	111	66.5
110	138	132	74.5
125	157	158.4	85
160	200	168	91
200	250	201.6	110.5
250	312	237	123
315	392	265	141.5

EQUAL TEE

Size	D2	L	L2	L3	L4
20	31	100	39.5	80.2	45
25	36	107	40	85.2	45
32	43	120	43	97.3	50
40	52	128	43	111.4	55
50	63	138	43	128.4	60
63	79	178	56	157	70
75	96	202	62	179.6	75
90	113	226	66.5	207	85
110	138	262	74.5	240	90
125	157	298	85	262	90
160	200	345	91	328	110
200	250	425	110.5	390	120
250	312	503	123	471	142
315	392	605	141	594	165



REDCING TEE



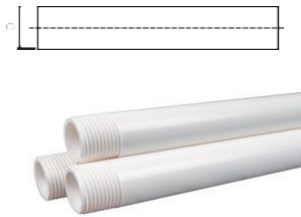
Size	D2	L	L2	L3	L4
25*20	36	102	40	85.2	45
32*20	43	108	43	92.3	45
32*25	43	113	43	92.3	45
40*20	52	108	43	101.4	45
40*25	52	113	43	101.4	45
40*32	52	120	43	106.4	50
50*20	63	108	43	112.4	45
50*25	63	113	43	112.4	45
50*32	63	120	43	117.4	50
50*40	63	128	43	122.4	55
63*20	79	135	56	128.5	45
63*25	79	140	56	128.5	56
63*32	79	147	56	133.5	50
63*40	79	155	56	138.5	55
63*50	79	165	56	144.5	60
75*50	100.5	176	62	165	60
75*63	100.5	202	62	183.2	75
90*32	113	168	66.5	167	50
90*40	113	176	66.5	172	55
90*50	113	186	66.5	178	60
90*63	113	199	66.5	190.5	70
90*75	113	199	66.5	190.5	70
110*32	138	184	74.5	192.2	50
110*40	138	192	74.5	197.2	55
110*50	138	202	74.5	203	60

Size	D2	L	L2	L3	L4
110*63	138	215	74.5	215.7	70
110*75	138	227	74.5	221	75
110*90	138	242	74.5	232	85
125*63	156	236	85	235	70
125*75	156	248	85	240	75
125*90	156	263	85	251	85
125*110	156	283	85	259	90
160*63	200	248	91	278	70
160*75	200	259	91	284.2	75
160*90	200	275	91	295	85
160*110	200	295	91	303	90
200*63	250	315	110.5	329	70
200*75	250	295	110.5	336	75
200*90	250	315	110.5	345	85
200*110	250	335	110.5	353	90
200*160	250	385	110.5	378	110
250*90	312	338	123	413	85
250*110	312	359	123	418	90
250*160	312	411	123	438	110
250*200	312392	452	123	452	123
315*90	392	374	141	508	85
315*110	392	395	141	514	90
315*160	392	477	141	534	110
315*200	392	488	141	548	123
315*250	392	539	141	567	142



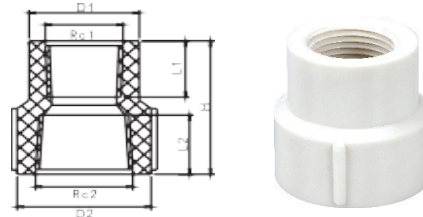
UPVC Threaded fittings

PIPE WITH TOW SIDES THREAD F/F



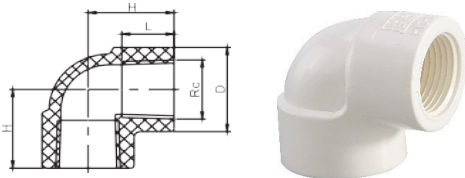
Size	d1	d2
1/2"	1M	0.75M
3/4"	1M	0.75M
1"	1M	0.75M

FEMALE REDUCING COUPLING F/F



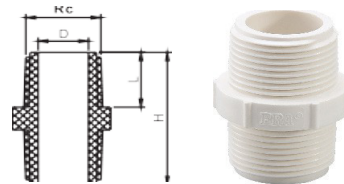
Size	Rc1	Rc2	D1	D2	L1	L2	H
3/4"×1/2"	1/2"	3/4"	30	36.5	17.5	18.5	41.6
1"×1/2"	1/2"	1"	58	74.6	43.5	92.5	120
1"×3/4"	3/4"	1"	36.5	44	18.5	22	45.5
1-1/2"×3/4"	3/4"	1 1/2"	36.5	60.8	18.5	25	52.5
1-1/2"×1"	1"	1 1/2"	44	60.8	22	25	56

FEMALE ELBOW F/F



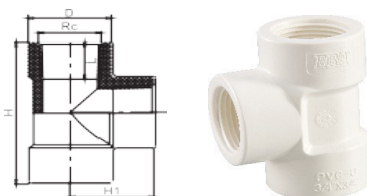
Size	Rc1	L1	L2	H
1/2"	1/2"	17.5	28	30
3/4"	3/4"	18.5	32.75	36.5
1"	1"	22	39.5	44
1-1/4"	1-1/4"	24	47	54.6
1-1/2"	1-1/2"	25	49	60.4
2"	2"	29	61.2	74
2-1/2"	2-1/2"	31.5	72	93.3
3"	3"	33	79.15	104.6
4"	4"	36.5	96.2	132.5

NIPPLE M/M



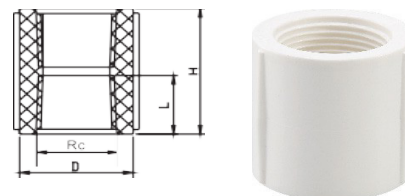
Size	Rc1	L1	L2	H
1/2"	1/2"	17	41	13.4
3/4"	3/4"	18.5	45	18.4
1"	1"	22	54.2	25.2
1-1/4"	1-1/4"	24	54	31.5
1-1/2"	1-1/2"	25	56	36.5
2"	2"	29	60.5	47.5
2-1/2"	2-1/2"	31.5	69	64
3"	3"	33	73.5	74.6
4"	4"	36.5	96.2	132.5

FEMALE TEE F/F/F



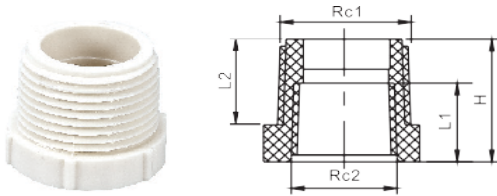
Size	Rc	L	D	H	H1
1/2"	1/2"	17	30	56.6	28.4
3/4"	3/4"	18.5	36.5	65.5	32.8
1"	1"	22	44	87	44.5
1-1/4"	1-1/4"	24	53.4	94	47
1-1/2"	1-1/2"	25	60.2	99	49.5
2"	2"	29	74	120.4	60.2
2-1/2"	2-1/2"	31.5	93.3	144	72
3"	3"	33	105.6	158.3	79.15
4"	4"	37.5	132.8	194.4	97.2

FEMALE COUPLING F/F



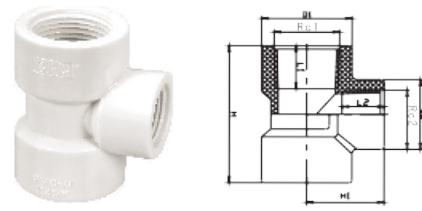
Size	Rc	L	H	D
1/2"	1/2"	17.5	37.5	30
3/4"	3/4"	18.5	40.3	36.5
1"	1"	22	48.3	44
1-1/4"	1-1/4"	24	40.3	51.5
1-1/2"	1-1/2"	25	56	60.8
2"	2"	29	59	74.2
2-1/2"	2-1/2"	31.5	63	95.7
3"	3"	33	66	109.4
4"	4"	36.5	78	135.6

REDUCER M/F



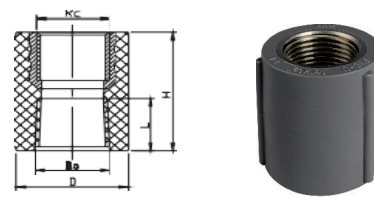
Size	Rc1	Rc2	L1	L2	H
3/4"×1/2"	3/4"	1/2"	17	18.5	26.5
1"×1/2"	1"	1/2"	17	22.6	31
1"×3/4"	1"	3/4"	18.5	22.6	31.6
1-1/4"×3/4"	1 1/4"	3/4"	18.5	22.5	31.5
1-1/4"×1"	1 1/4"	1"	22	22.5	31.5
1-1/2"×3/4"	1 1/2"	3/4"	18.5	23	33
1-1/2"×1"	1 1/2"	1"	22	23	33
1-1/2"×1-1/4"	1 1/2"	1 1/4"	24.5	23	33
2"×3/4"	2"	3/4"	26	18.5	37
2"×1"	2"	1"	22	26	37
2"×1-1/4"	2"	1-1/4"	24.5	26	37
2"×1-1/2"	2"	1-1/2"	25	26	37
2-1/2"×3/4"	2-1/2"	3/4"	29	1.5	40
2-1/2"×1"	2-1/2"	1"	29	21	40
2-1/2"×1-1/2"	2-1/2"	1-1/2"	29	25	40
2-1/2"×2"	2-1/2"	2"	28	29	40
3"×2"	3"	2"	31	32	34
3"×2-1/2"	3"	2-1/2"	28	32	3
4"×2"	4"	2"	28	38	50
4"×3"	4"	3"	34	38	50

FEMALE REDUCING TEE



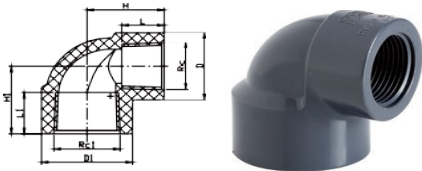
Size	Rc1	Rc2	L1	L2	D1	D2	H1
3/4"×1/2"	3/4"	1/2"	18.5	18.5	36.5	30	59
1"×1/2"	1"	1/2"	51	19.8	58	32	67
1"×3/4"	1"	3/4"	22.6	18.5	44	36.5	72.3
1-1/2"×1/2"	1 1/2"	1/2"	25	17	60.8	30	79
1-1/2"×3/4"	1 1/2"	3/4"	25	18.5	60.8	36.5	85
1-1/2"×1"	1 1/2"	1"	25	22.6	60.8	44	93
2"×1/2"	2"	1/2"	28	17	74	30	86
2"×3/4"	2"	3/4"	28	18.5	74	36.5	92
2"×1"	2"	1"	28	22.6	74	44	98
2"×1-1/2"	2"	1-1/2"	28	25	74	60.8	103.8

FEMALE COUPLING F/F



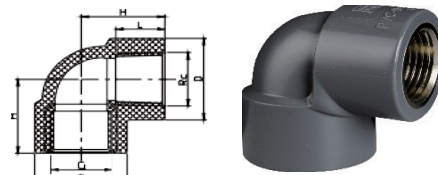
Size	Rc	L	H	D
1/2"	1/2"	17.5	37.5	32
3/4"	3/4"	18	42.5	36
3/4"×1/2"	3/4"×1/2"	18	42.5	36

REDUCING ELBOW F/F



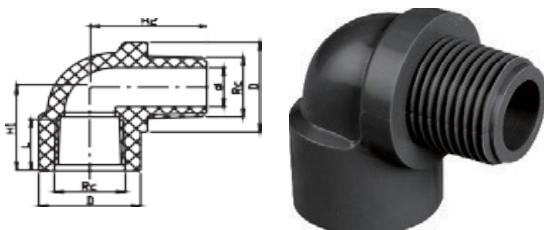
Size	Rc1	Rc2	L1	D1	D2	H1	H2
3/4"×1/2"	3/4"	1/2"	18.5	36.5	32	31	32.5
1"×1/2"	1"	1/2"	22.6	44	32	37.5	32.6
1"×3/4"	1"	3/4"	22.6	44	36.5	36.5	34.5
1-1/2"×1/2"	1 1/2"	1/2"	25	60.8	44	42	44.5
1-1/2"×3/4"	1 1/2"	3/4"	25	60.8	44	42.5	44.5
1-1/2"×1"	1 1/2"	1"	25	60.8	44	46.5	46.5

FEMALE ELBOW F/F



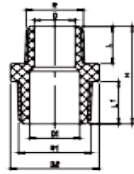
Size	Rc	L	H
29	29	29	29

ELBOW 90 M/F



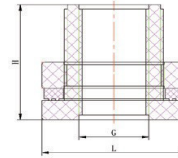
Size	Rc	L	H	D	H2
1/2"	1/2"	17.5	28	30	34.5
3/4"	3/4"	18.5	32.75	36.5	39.55
1"	1"	22	39.5	44	46.8
1-1/4"	1-1/4"	24	40.3	51.5	50
1-1/2"	1-1/2"	25	51.5	60.8	59.4
2"	2"	28	61	74	69.5
2-1/2"	2-1/2"	31	72.5	93.2	82.5

REDUCING NIPPLE



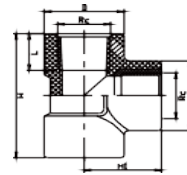
Size	Rc1	Rc2	L1	L2	H	D1	D2
3/4"×1/2"	3/4"	1/2"	17	18.5	43.5	13.4	32.2
1"×1/2"	1"	1/2"	17	21	47	13.4	40
1"×3/4"	1"	3/4"	18.5	21	48.5	18.4	40
1-1/4"×1"	1 1/4"	1"	21	22.5	52.5	22.6	47
1-1/2"×1-1/4"	1 1/2"	1 1/4"	22.5	23	55.5	31.4	53.5
2"×1-1/2"	2"	1-1/2"	23	26	59	36.6	/
2-1/2"×2"	2-1/2"	2"	26	29	65	47	/
3"×2"	3"	2"	26	32	68	47	/
3-1/2"×2"	3"	2-1/2"	29	32	71	60	/
4"×3"	4"	3"	32	40.5	80	70.6	/

TANK CONNECTOR F/M



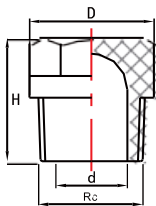
Size	Rc	L	H
3/4"	3/4"	54.8	48

FEMALE TEE F/F/F



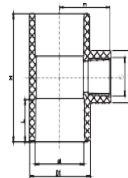
Size	Rc	L	H	D	H1
1/2"	1/2"	17	29	32	31

THREAD PLUG



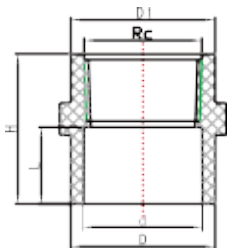
Size	Rc	D	d2	H
1/2"	1/2"	24	13	26.5
3/4"	3/4"	31	17.8	31
1"	1"	39.2	23	37.5
1-1/4"	1-1/4"	43.3	31.5	36
1-1/2"	1-1/2"	50	36.5	38.5
2"	2"	57	47.5	43
2-1/2"	2-1/2"	82	60	52.5
3"	3"	94	70.6	57.5
4"	4"	120	93.4	63.5

FEMALE REDUCING TEE



Size	Rc1	Rc2	L1	L2	D1	D2	H1	H2
3/4"×1/2"	3/4"	1/2"	18.5	18.5	36.5	32	67	32.5
1"×1/2"	1"	1/2"	22.6	19.8	44	32	73	37.5

FEMALE COUPLING F/F



Size	Rc	L	H	D	D2	d3
1/2"	1/2"	17.5	35.5	28.5	21.34	28.5
3/4"	3/4"	20	41	34.5	26.67	34.5
1"	1"	23	45.5	41.7	33.4	41.7
1-1/4"	1-1/4"	27.5	53.7	51.4	42.16	51.4
1-1/2"	1-1/2"	30.5	62	59.4	48.26	59.4
2"	2"	36.5	76	76	60.33	76
3"	3"	51	100	103.5	88.9	105
4"	4"	63.5	120	134.5	114.3	136

SOLENOID CONTROL

ADI

The ADI series is a line of plastic hydraulic/electro-hydraulic control valves for residential, commercial, and agricultural irrigation systems. This plastic control valve, hydraulically operated with a diaphragm, combines simple construction, reliability, and excellent hydraulic performance.

The ADI series valves are durable plastic valves. The valve body, cover, and sealing disc are made of glass-filled nylon to withstand harsh operating conditions, ensuring high resistance to chemicals and cavitation.

The valve body design incorporates a full-bore seat with a flow path free of any linear ribs, support cage, or columns.

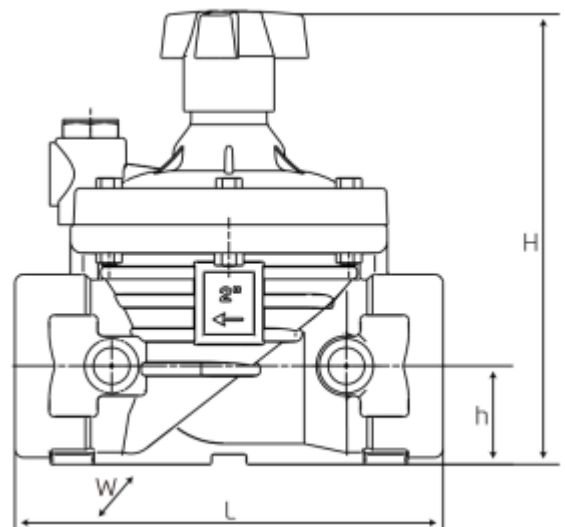


Dimensions
1" F BSPT
2" F BSPT

- **Cover-** Simple and light construction enables quick in-line inspection and service.
- **Auxiliary Closing Spring** - One single spring fully meets valve requirements for operating pressure range, ensuring low opening pressure and secured closing.
- **Plug Assembly** - The seal disk assembly includes a flexible, carefully balanced, and peripherally supported diaphragm and a rugged guided plug with elastomeric sealing surface.
- **Body-** Glass-Filled Nylon to meet rough service conditions obtaining high chemical and cavitation resistance.
- **Full bore seat** with unobstructed flow path, free of any in-line ribs, supporting cage, or shafts

MAIN FEATURES AND BENEFITS

- A durable, high-quality valve, made of fiberglass-filled nylon, for harsh operating conditions.
- A full-bore seat for ultra-fast flow with minimal pressure loss.
- Fewer parts, a simple structure design, and easy installation and maintenance.
- A connecting handle provides precise flow adjustment.
- Precise and stable pressure regulation, stable operation, and low starting and operating pressures.
- A high-quality diaphragm, resistant to corrosion and deformation.



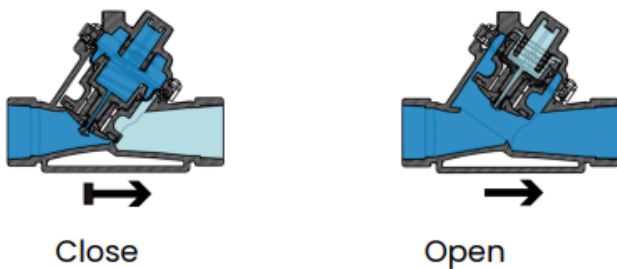
AMA

AMA High-Performance Plastic Hydraulic Control Valves

The AMA hydraulic control valve combines simple design, reliability, and superior performance. It is constructed of durable, synthetic glass-filled nylon and is designed to withstand harsh operating conditions, offering superior wear resistance and high resistance to low temperatures.

The AMA control valve body design incorporates a full-bore seat with a flow path free of obstructions, straight ribs, support cages, or columns.

The Super Travel uniform flexible diaphragm and guided seal provide a clear passage from one end to the other, resulting in superior flow capacity with minimal pressure loss.



Dimensions
1" F BSPT
2.5" F BSPT
3" F BSPT
3" Flange
3L" Flange
4" Flange

- Cover - The robust cover construction meets tough maintenance requirements.
- Auxiliary closing spring - A single, high-grade stainless steel spring provides a wide operating range, ensuring low opening pressure and secure closing of the auxiliary closing spring.
- Plug assembly - The flexible super travel (FST) plug assembly combines a long-travel guided valve plug, a circumferentially supported diaphragm, a replaceable diaphragm, and a valve seal.
- Body - A glass-filled nylon body meets tough maintenance requirements.
- A comprehensive «see-through» design and full-bore seat provide a flow path free of obstructions, support cages, or columns, enabling superior flow capacity with minimal pressure loss.

MAIN FEATURES AND BENEFITS

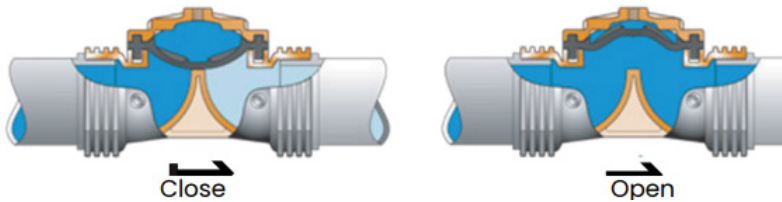
- A durable industrial valve, designed and manufactured using glass-filled nylon to meet harsh operating conditions.
- Extreme flow capacity with minimal pressure loss. Designed for service over a wide range of pressure and flow conditions, from trickle to maximum flow.
- Simple design with few parts ensures easy in-line inspection and maintenance. The positively oriented valve seal provides precise movement and smooth regulation.
- Or flanged.
- Hinged flanged connections isolate the valve from line bending and pressure stresses.
- Precise and stable regulation with smooth movement.
- Low operating pressure requirements.
- No diaphragm wear or distortion.
- The diaphragm and spring meet the requirements of the entire valve operating pressure range.
- Direct flow produces superior flow capacity with minimal pressure loss.



AMI

AMA High-Performance Plastic Hydraulic Control Valves

AMI hydraulic control valves are recommended for irrigation and turf applications. Made entirely of durable plastics, they feature the latest plastic technology, offering low-friction, flow-lined hydraulic performance. AMI valves operate with a reinforced diaphragm, eliminating the need for a metal spring. The special flexible design allows the valve to open and close gradually and precisely, ideal for regulation purposes. By eliminating the metal spring, the AMI valve requires virtually no maintenance.

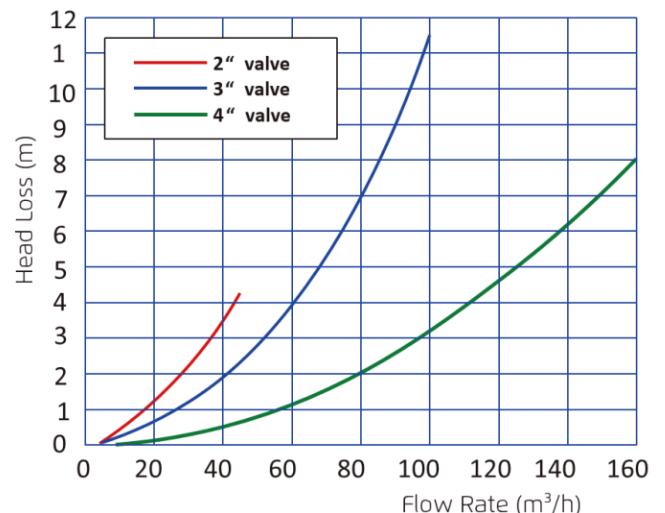


Dimensions
2 °F BSPT
3°F BSPT
3" Flange
4" Flange

- **Cover** - The unique, durable cover structure is made of glass-reinforced nylon.
- **Diaphragm** - The «springless» diaphragm ensures even pressure distribution across the sealing area, prevents deformation, and ensures longer, maintenance-free operation.
- **Body** - A straight-flow, bridge-type valve made of glass-reinforced nylon.
- **Fasteners** - Self-locking, chrome-plated steel nuts and stainless steel hex bolts facilitate access and prevent corrosion.

TECHNICAL SPECIFICATIONS FLOWCHART

		2"	3"	4"
Available connections	Threaded	●	●	
	Flanged		●	●
Flow range(m ³ /h)		10-40	20-70	50-110
Minimum operating Pressure(Bar/PSI)		1.3-0.5 / 5-7		
Maximum operating Pressure(Bar/PSI)		10 / 145		
Maximum water temperature(°C/F)		70 / 180		



**Manual control valve
3-W cock valve**



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Electric control valve
3-W plastic solenoid**

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Manual pressure
Reducing Valve**



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Electric pressure Reducing Valve
3-W Plastic Electric solenoid & Pilot**

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Manual Pressure Sustaining
Control valve**



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Electric Pressure Sustaining Control
Valve 3-W Plastic solenoid & Pilot**

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2 °F	10
2-1/2 °F	10
3 °F	10
3" Flange	10
3"L Flange	10
4" Flange	10

**Manual control valve
3-W cock valve**



Dimensions	PN
2 °F	10

**Electric Pressure Sustaining Control
Valve 3-W Plastic solenoid & Pilot**

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
1"F	10
2"F	10

Manual pressure Reducing Valve



Dimensions	PN
2 °F	10

Electric pressure Reducing Valve 3-W Plastic Electric solenoid & Pilot

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2 °F	10

Manual Pressure Sustaining Control valve



Dimensions	PN
2 °F	10

Electric Pressure Sustaining Control Valve 3-W Plastic solenoid & Pilot

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2 °F	10

Manual Pressure Sustaining Control valve



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Electric pressure Reducing Valve 3-W Plastic Electric solenoid & Pilot

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Manual control valve 3-W cock valve



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Electric control valve 3-W plastic solenoid

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Manual Pressure Sustaining Control valve



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Electric Pressure Sustaining Control Valve 3-W Plastic solenoid & Pilot

(AC/DC-24V, Pulse 1224-V)



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Basic valve- ADI



Dimensions	PN
2"F	10

Basic valve- AMA



Dimensions	PN
2"F	10
2-1/2"F	10
3"F	
3" Flange	10
3"L Flange	10
4" Flange	10

Basic valve- AMI



Dimensions	PN
2"F	10
3"F	10
3" Flange	10
4" Flange	10
5" Flange	10
6" Flange	10

Electronic Irrigation Timer

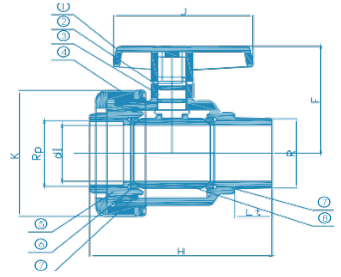


SIZE	M1	M2	BATTERY	ELECTRICALLY
1	HUNTER	/	✓	⊗
2	HUNTER	RAIN BIRD	✓	✓
4	HUNTER	RAIN BIRD	⊗	✓
6	HUNTER	RAIN BIRD	⊗	✓
8	HUNTER	/	⊗	✓
24	/	RAIN BIRD	⊗	✓

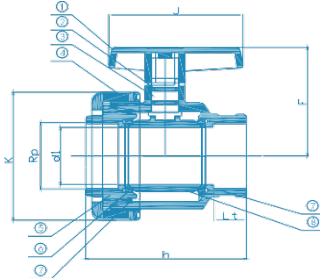
PVC Ball Valves

Single Union ball valve m/f

SIZE	DN	LT	H	F	J	K	d1
3/4"×3/4"	20	16	80	58	65	59	19
1"×1"	25	17	90	67	75	67	23
1-1/4"×1-1/4"	32	21	106	76	85	79	32
1-1/2"×1-1/2"	40	24	126	83	94	93	39
2"×2"	50	26	145	101	109	114	46
2-1/2"×2-1/2"	65	28	177	127	138	144	64
3"×3"	80	35	204	143	158	168	76
4"×4"	100	37	250	169	180	210	97



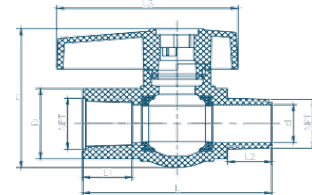
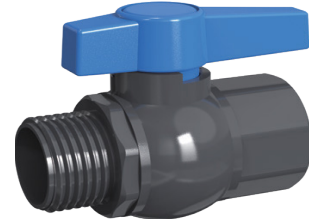
Single Union ball valve m/m



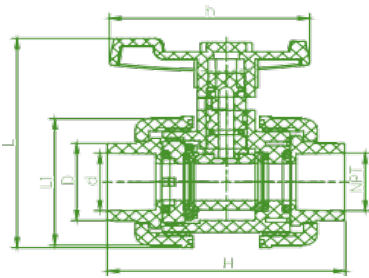
SIZE	DN	LT	H	F	J	K	d1
3/4"×3/4"	20	20	81	58	65	59	19
1"×1"	25	22	91	67	75	67	23
1-1/4"×1-1/4"	32	25	101	76	85	79	32
1-1/2"×1-1/2"	40	25	109	83	94	93	39
2"×2"	50	29	135	101	109	114	46
2-1/2"×2-1/2"	65	36	177	127	138	144	64
3"×3"	80	36	180	143	158	168	76
4"×4"	100	49	228	169	180	210	97

PVC OCTAGNAL ball valve m/f

SIZE	d	D2	L	L1	L2	L3	H	NPT
1/2"	15.6	28.8	69	69	16.1	66.3	57	1/2"
3/4"	21	34.5	80	80	18	79.7	67.6	3/4"
1"	26.8	42.1	93.3	25.3	23	89.7	79.3	1"
1-1/4"	33.5	52.1	107	27	25.5	101.4	91.7	1-1/4"
1-1/2"	39.5	59.5	123.7	30	28	117.7	101.8	1-1/2"
2"	50	72.3	151	35	30	135.1	122.64	2"

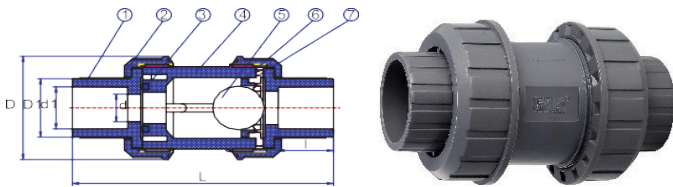


PVC TRUE UNION BALL valve m/m



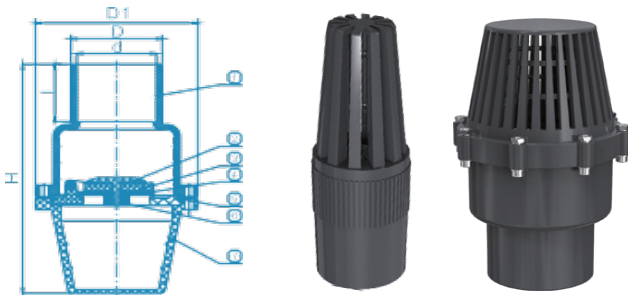
SIZE	THD./in	THD./in2	d1	BS d	ANSI d	DIN da	D	d2	L	L1	H	h2
15mm(1/2")	14	14	22	22	21.34	20	29	21.7	78.8	47.5	78.6	66.2
20mm(3/4")	14	14	26	26	26.67	25	35	27.2	88.8	58.1	88.4	76.2
25mm(1")	11.5	11	32	34	33.4	32	42.9	32.4	100.6	65.5	101.6	86.8
32mm(1-1/4")	11.5	11	38	42	42.16	40	52	40.4	127.2	80	128.2	109.9
40mm(1-1/2")	11.5	11	48	48	48.26	50	62	48	136.1	91.1	142.2	136.1
50mm(2")	11.5	11	60	60	60.33	63	57.7	60.5	160.6	112.1	168.5	144.9
65mm(2-1/2")	8	11	76	76	73.03	75	87.7	75.5	200	135.6	217	181.7
80mm(3")	8	11	89	89	88.9	90	105.7	90.5	228.3	163	242	207.3
100mm(4")	8	11	114	114	114.3	110	75.5	60.5	160.6	112.1	168.5	144.9

BALL CHECK valve m/f



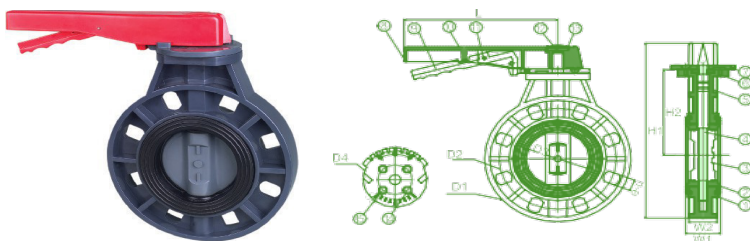
SIZE	THD./i n	THD./i n2	JIS d1	BS d	ANSI d	DIN da	d1	D1	D	I	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189

FOOT VALVE



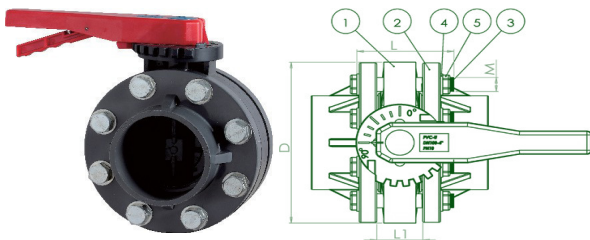
SIZE	THD./in	THD./in2	d1	BS d	ANSI d	DIN d	D	d2	I	L
15mm(1/2")	14	14	22	22	21.34	20	31	43.7	31	137
20mm(3/4")	14	14	26	26	26.67	25	35.5	43.7	32.5	141
25mm(1")	11.5	11	32	34	33.4	32	41.9	43.7	32.8	141
32mm(1-1/4")	11.5	11	38	42	42.16	40	51	78	35	195
40mm(1-1/2")	11.5	11	48	48	48.26	50	60.3	78	56.2	217.4
50mm(2")	11.5	11	60	60	60.33	63	72.5	78	57	214.4
75mm(2-1/2")	8	11	76	76	73.03	75	90	171.6	73.5	293.4
90mm(3")	8	11	89	89	88.9	90	76.4	183.8	58.2	252
110mm(4")	8	11	114	114	114.3	110	115	216	91	360
125mm	/	/	/	/	/	125.6	142.5	232.6	95	368.47
140mm	/	/	/	/	/	159	159	246.5	105	430
160mm(6")	8	11	165	168.5	168.3	161	161	291	120	500

BUTTERFLY VALVE



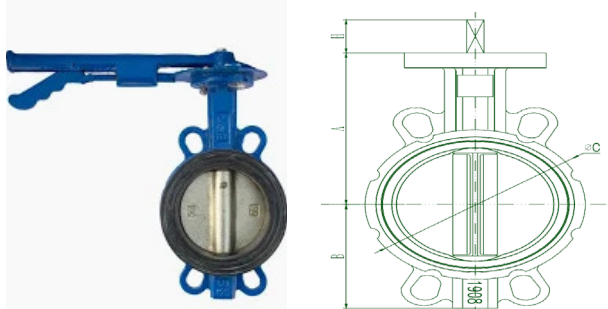
SIZE	JIS d1	ANSI d	DIN da	D1	D3	D4	L	H1	H2	W1	W2	DIN n-oe	JIS n- oe2
50mm(2")	22	21.34	20	160.1	55.6	99.7	189.7	223.3	98.3	44	32	4~20	4~19
65MM(2-1/2")	26	26.67	25	179.8	68.7	99.7	189	247	116.6	84.3	32.4	4~18	4~19
80mm(3")	32	33.4	32	195	83.9	99.7	238.5	282.6	132.5	51.9	36.3	8~20	4~19
100mm(4")	38	42.16	40	228.1	103.2	99.7	239.5	319.4	155.4	54.5	44.1	8~20	8~19
125mm(5")	48	48.26	50	257	129.5	139	309.8	368	170.3	66.5	54.6	8~21.5	8~19
150mm(6")	60	60.33	63	285.4	151.1	140	309.8	400.8	187.5	73.1	56.4	8~24	8~23
200mm(8")	/	/	/	342.6	198.6	140	309.8	473	230	92	72.2	8~25	12~23

BUTTERFLY VALVE WITH FLANGE



SIZE	FLANGA	D	L1	BOLT QTY
50*2"	63	160	43	4
65*2-1/2"	75	180	46	4
80*3"	90	196	49	8
100*4"	110	228	54	8
125*5"	125,140	258	64	8
150*6"	160	287	70	8
200*8"	200,225	344	88	8
150*10"	250,280	412	98	12
300*12"	315	460	180	12
350*14"	350	500	88	16
400*16"	400	565	96	16

BUTTERFLY VALVE



SIZE	A	B	C	D	LO	H	1ISO521	L	K	E	D1
50mm	161	80	43	52.9	266	9	F07	42	90	70	120.6
65mm	175	89	46	64.5	266	9	F07	44.7	90	70	139.7
80mm	181	95	46	78.8	266	9	F07	45.2	90	70	152.4
100mm	200	114	52	101	266	11	F07	52.1	90	70	190.5
125mm	213	127	56	123.3	266	14	F07	54.4	90	70	215.9
150mm	226	139	56	155.1	266	14	F07	55.8	90	70	241.3
200mm	260	175	60	202.5	355	17	F010	60.6	125	102	298.4
250mm	292	203	68	250.5	355	22	F10	65.6	125	102	361.9
300mm	337	212	78	301.6	355	22	F12	76.9	150	125	431.8

Air Valve

D"	PN	Kg/Box	Box Type
2" BSPT Kinetic	10	10.24	0.045
2" BSPT Combination	10	10.32	0.045
1.5" BSPT Kinetic	10	10.24	0.045
1.5" BSPT Combination	10	10.32	0.045
1" BSPT Kinetic	10	10.24	0.045
1" BSPT Combination	10	10.32	0.045



PVC box Valves

ROUND valve box 1"



SPEEC	6"
BOTTOM DIAM	205mm
HIGH	230mm
TOP	160mm

ROUND VALVE BOX SIZE 10"



SPEEC	10"
BOTTOM DIAM	330mm
HIGH	260mm
TOP	254mm

RECTANGULAR VALVE BOX SIZE 12"



SPEEC	12"
BOTTOM DIAM	535*400mm
HIGH	335mm
TOP	435*300mm

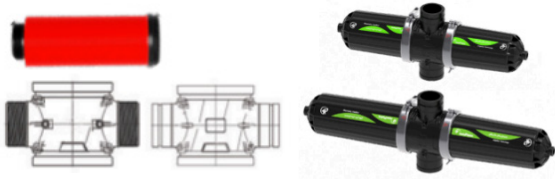
RECTANGULAR VALVE BOX SIZE 14"



SPEEC	14"
BOTTOM DIAM	665*495mm
HIGH	335mm
TOP	555*395mm

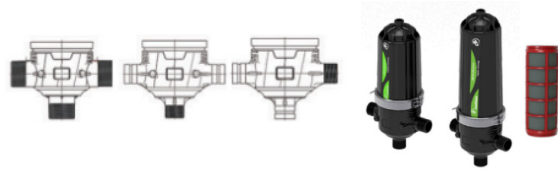
FILTER

Double Body Filter - Disk (BSPT/NPT)



SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box
3"	60	1	12
3" Long	100	1	15
4"	70	1	12.5
4" Long	100	1	15

Filter T-Screen (BSPT/NPT)



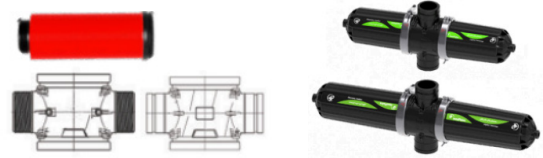
SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box	CBM/BOX
2"	30	1	6.5	0.0544
2" Long	40	1	7	0.0648
2-1/2"	30	1	6.5	0.0544
2-1/2" Long	40	1	7.5	0.0648
3" Short	50	1	6.5	0.0594
3"	50	1	7.5	0.0648

Filter Y-Screen (BSPT)



SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box
3/4"	5	50	-
1"	10	50	-
1-1/4"	15	16	-
1-1/2"	16	16	-
2"	25	10	-

Double Body Filter - Screen (BSPT/NPT)



SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box	CBM/BOX
3"	60	1	9.5	0.0829
3" Long	100	1	11	0.1037
4"	70	1	9.5	0.0829
4" Long	100	1	11	0.1037

Double Body Automatic Filter - Disk

SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box	CBM/BOX
3"	50	1	17	0.1037
4"	60	1	17	0.1037



Screen Irrigation Filter SPIRAL CLEAN (BSPT/NPT) (80120/ mesh)

SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box	CBM/BOX
2"	-	1	-	-
2" Flange	-	1	-	-
3"	-	1	-	-
3" Flange	-	1	-	-



Filter - Hydrocyclone Type (DIN/ANSI)

SIZE	m ³ /h	Pcs/Box	Kg/Box	CBM/BOX X
2" Flange	40	1 pcs x 2 box	-	-
3" Flange	50	1 pcs x 2 box	18.5	-
4" Flange	100	1 pcs x 2 box	30.5	-

Automatic Filter Station

Specification	Kg/Box	CBM
2pcs * 2" filter + 3" Manifolds	-	-
3pcs * 2" filter + 4" Manifolds	-	-
3pcs * 2" filter + 4" Manifolds	-	-
4pcs * 2" filter + 4" Manifolds	-	-
3pcs * 3" filter + 4" Manifolds	-	-
4pcs * 3" filter + 6" Manifolds	-	-
5pcs * 3" filter + 6" Manifolds	-	-
5pcs * 3" filter + 6" Manifolds	-	-
6pcs * 3" filter + 6" Manifolds	-	-
5pcs * 4" filter + 8" Manifolds	-	-
4pcs * 4" filter + 8" Manifolds	-	-
5pcs * 4" filter + 8" Manifolds	-	-
6pcs * 4" filter + 8" Manifolds	-	-
7pcs * 4" filter + 10" Manifolds	-	-
8pcs * 4" filter + 10" Manifolds	-	-
9pcs * 4" filter + 10" Manifolds	-	-
10pcs * 4" filter + 12" Manifolds	-	-



Self-Cleaning Screen Filter

(AC/DC)

SIZE	m ³ /h (120mesh)	Pcs/Box	Kg/Box	CBM/BOX
3"	-	1	-	-
4"	-	1	-	-
3"	-	1	-	-
4"	-	1	-	-
4"	-	1	-	-



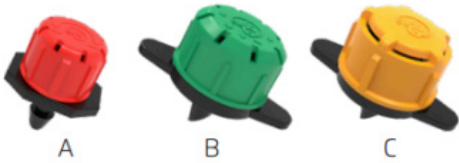
DRIPPERS AND SPRINKLERS

PVC Punch for Offtake



DESCRIPTION	SIZE
PUNCH FOR OFFTAKE FOR PIPE	16
	20
DRIPPER PUNCH	Metal Head
DRIPPER PUNCH	Metal Head
PUNCH FOR OFFTAKE FOR PIPE WITH DRILL	20

Adjustable Dripper



Type	L/H	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
A	0-70	700	7000	14.45	A
B	0-135	300	3300	14.4	A
C	0-150	100	3200	-	A

Oasis Adjustable Dripper

L/H
0-220



Adjustable Bubbler

Cielo Sprinkler

TYPE	L/H
A	55
A	95
A	150
B	55
B	95
B	150
A	175
B	75



Use for 5*8 micro tube ID: DIN 20& ANSI 21.3 mm

360° Micro Diffuser

Rod: 5mm/7mm

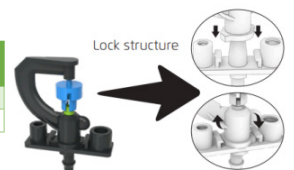
L/H	Box Type
4*7-60 L/H	A



Micro Sprinkler - G Type

Rod: 5mm/7mm

SIZE	Pcs /Bag	Pcs /Box	Kg /Box	Box Type
47°-60 L/H	200	2200	14.76	A
47°-130 L/H	200	2200	15.05	A



Sahara Bubbler

SIZE	Pcs /Bag	Pcs /Box	Kg /Box	Box Type
1/2"	200	1400	-	A



Pressure Gauge



SPRINKLERS



SIZE	MARKA	MARKA2	MARKA3
1/2"	HUNTER	RAIN BIRD	OSOOL
3/4"	HUNTER	RAIN BIRD	/
1/2" LONG	HUNTER	/	OSOOL

QUICK COUPLER

SPEC	G1"
MAX PRESSURE	8.2bar



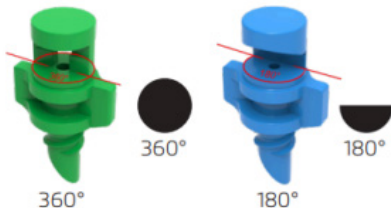
QUICK COUPLER

SPEC	G3/4"
MAX PRESSURE	8.2bar



SPRINKLER 4 mm

Connections: OD 4mm



Ø	L/H	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
180°	45 l/h	1000	36000	24.45	A
180°	120 l/h	1000	36000	24.45	A
360°	45 l/h	1000	36000	22.80	A
360°	120 l/h	1000	36000	22.80	A

Stick Bubbler

Connections: OD 6mm



L/H	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
100-180	200	1400	13.84	A

Swing Sprinkler - Dragon



D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
3/4" F	50	1	-	A
1" F	50	1	10.87	A

Swing Sprinkler (Brass Nozzle)



D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
3/4" M	100	1	15.79	A

Barbed Rod for Sprinkler



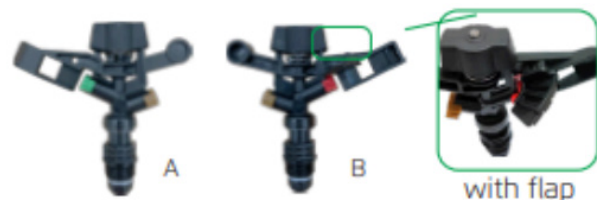
Type	D"	Pcs/Bag	Pcs/Box
A	1/2" M	40	280
A	3/4" M	-	-
A	1/2" F x 3/4" M	40	280
B	1/2"-16cm	200	1400

Butterfly Micro Sprinkler



Type	D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
A	1/2" F x 3/4" F	30	900	9.05	A
A	1/2" F x 3/4" F	30	900	9.05	A
B	1/2" M x 3/4" M	30	1050	10.62	A
B	1/2" M x 3/4" M	30	1050	10.62	A

Swing Sprinkler



TYPE	D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
A	1/2" M	1	250	-	A
B	1/2" M	1	250	12.50	A

Swing Sprinkler



D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
3/4" M	100	1	13.25	A

Angle-adjustable Swing Sprinkler



Nozzle:



D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
100	1	13.25	A	

Plug



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
8mm	-	-	-	A

Threaded Reducing Adapter



Use for Pop-Up Sprinkler

D" * D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
3/8" M * 1/2" F	300	3000	15.03	A

Mago Sprinkler



angel 24°

Reflector

D"	L/H	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
1/2"	250 L/H	10	-	-	A
1/2"	350 L/H	10	-	-	A
1/2"	450 L/H	10	-	-	A
1/2"	550 L/H	10	-	-	A
1/2"	650 L/H	10	-	-	A

Garden Sprinkler



Angle-adjustable Swing Sprinkler



Nozzle:



D"	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
1/2" M	140	1	-	A

Micro Sprinkler - G Type (Refractive Sprayer)

Connection: ID 6mm

L/H	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
23-33	-	-	-	A
38-55	-	-	-	A
54-79	-	-	-	A
73-107	-	-	-	A
90-125	-	-	-	A
116-162	-	-	-	A
148-221	-	-	-	A

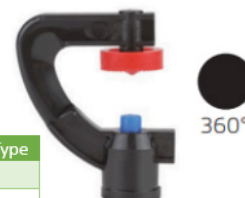


360°

360° Micro Diffuser

Connection: ID 6mm

L/H	Pcs/Box	Pcs/Bag	Kg/Box	Box Type
23-33	-	-	-	A
38-55	-	-	-	A
54-79	-	-	-	A
73-107	-	-	-	A
90-125	-	-	-	A
116-162	-	-	-	A
148-221	-	-	-	A



360°

Rambo Sprinkler (Angle 14°)



360°

180°

A

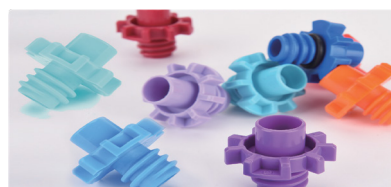
B

Double outlet

Single outlet

TYPE	D"	L/H	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
A	1/2"	240 L/H	10	-	11.32	A
A	1/2"	350 L/H	10	-	11.32	A
A	1/2"	450 L/H	10	-	11.32	A

Butterfly Sprinkler



SIZE	PRESSURE RANGE	FLOW	NOZZLE SIZE
G3/4"	1.0-3.0BAR	4-6M	0.7-1.1M3/H
			5-26MM

SIZE	QUANTITY	G.W/N.W	MATERIAL
45*35*39.5CM	200PCS	12/11KGS	PP

MINI VALVES AND FITTINGS

Mini Valve Thread M-Barbed (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*1/2"	50	600	9.80	A
16*3/4"	50	500	8.96	A
20*1/2"	-	-	-	A
20*3/4"	-	-	-	A

Mini Valve Barbed (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*16	50	750	11.28	A
20*20	50	600	11.25	A
16*20	-	-	-	A

Mini Valve Barbed (POM)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
20*20	-	-	-	A

Mini Valve Thread M-Barbed (POM)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
20*3/4"	10	-	-	A

Valve Barbed (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
25*25	10	120	-	A
32*32	10	110	-	A

Valve Thread M-Barbed (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
25*3/4"	10	1200	-	A
25*1"	-	-	-	A
32*3/4"	-	-	-	A
32*1"	-	-	-	A

IRRIGATION MINI VALVES



Puma(PP)
(DN: 9.5mm)



Tiger
(DN: 9.5mm)



Dragon
(DN: 9.5mm)



Big Dragon
(DN: 12.8mm)

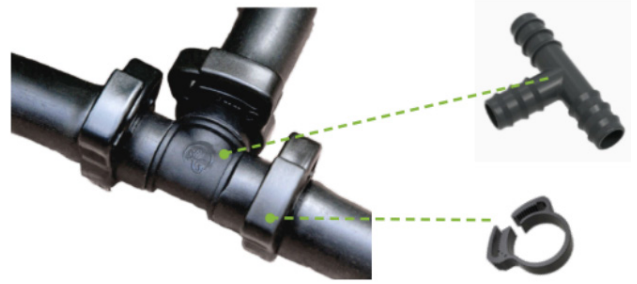


Lion
(DN: 17.6mm)

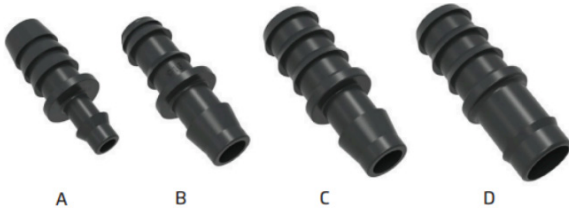
The PP Barbed Fittings Series

■ Easy to install, reducing both time and cost of installation.

■ Need a clip with collapsible barb prevents pull-out and reduces grommet damage during the installation process.



Derivation Barbed (PP)



TYPE	ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
A	11*16	500	5000	13.66	B
B	16*16	300	3600	14.07	B
C	16*20	100	3000	-	B
D	20*20	200	3000	-	B

Elow Barbed (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*16	100	1800	12.02	A
20*20	100	1200	12.67	B
25*25	50	800	9.12	B
32*32	-	-	-	B

Barbed Coupling (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*16	200	3600	14.25	B
20*20	200	2400	10.60	B
25*25	-	-	-	B
32*32	-	-	-	B
16*20	200	2000	8.50	A

Threaded Adapter Barbed (PP)

ø*D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*1/2"M	100	1600	11.37	B
16*3/4"M	100	1800	16.12	B
20*1/2"M	100	1400	14.65	B
20*3/4"M	100	1300	13.76	B
25*3/4"M	100	1100	11.94	B
25*1"M	-	-	-	B
32*1"M	25	600	14.13	B

Connector for Microtube (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
3*5				
4*7				
4*7				
4*7				
4*7				
6*9				
ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
5*5	2000	30000	-	A
6*6	1000	25000	12.68	A
Thread 6*6	-	-	-	A
Thread 6*6	-	-	-	A
6*6	1000	40000	15.19	A
8*8	250	10016	16.8	A

Barbed Connector - Y (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
161616	100	1200	8.85	A

Barbed Tee (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*16*16	100	1500	10.47	B
20*20*20	50	1100	10.39	B
16*20*16	100	1300	11.12	A
20*16*20	-	-	-	-
20*25*20	50	900	9.73	B
25*20*25	50	-	-	-
25*25*25	50	600	8.97	B
32*32*32	-	-	-	-



Threaded Elbow Barbed (PP)



CODE	D*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2362.0001	1/2"*16	100	1500	-	A
2362.0002	3/4"*16	100	1000	-	A
2362.0A20	1/2"*20	50	800	-	A
2362.0B20	3/4"*20	100	800	-	A
2362.0A25	1/2"*25	-	-	-	A
2362.0B25	3/4"*25	-	-	-	A
2362.0C25	1"*25	-	-	-	A
2362.0C32	1"*32	-	-	-	A

Threaded Tee Adapter Barbed (PP)



CODE	D"*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2335.0001	1/2"1616	100	1000	8.29	A
2335.0002	3/4"1616	100	800	8.16	A
2335.0A20	1/2"2020	50	700	8.71	A
2335.0B20	3/4"2020	50	500	7.02	A
2335.0A25	1/2"2525	50	450	7.21	A
2335.0B25	3/4"2525	-	-	-	A
2335.0C25	1"2525	-	-	-	A
2335.0B32	3/4"3232	-	-	-	A
2335.0C32	1"3232	-	-	-	A

Gasket for Offtake Super (TPE)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16	500	5000	13.08	A

Gasket H for Offtake (TPE)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
11	200	13000	12.72	A

Gasket H for Offtake (TPE)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
14	800	8000	13.66	A
16	1000	5000	12.26	A

Plug - Rubber H (TPE)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16	100	4000	13.42	A

Gasket T for Offtake (TPE)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
14	700	7000	14.71	A
16	500	5000	16.00	A
20	300	3300	12.74	A
22	-	-	-	A

Thread Elbow Barbed



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*1/2"	-	-	-	-
17*3/4"	-	-	-	-

Elbow Barbed



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17	100	2000	10.30	A

Bypass Tee Barbed



øøø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*1/2"	25	1000	9.85	A
17*17*3/4"	25	900	10.38	A

Spiral Barbed Adapter



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*1/2"				
16*3/4"				

Barbed Tee



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*17	25	1000	8.43	A

Spiral Barbed Elbow



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*1/2"	100	1000	11.77	A
16*3/4"	100	900	13.07	A

Derivation Threaded M-Barbed



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*1/2"	-	-	-	-
17*3/4"	-	-	-	-

Adapter Thread - Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17"*1/2"	100	1000	11.68	A
17"*3/4"	100	1000	13.10	A

Coupling Tape - Tape with Nuts (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17	50	800	10.65	A
20*20	50	400	11.30	A
22*22	50	400	11.90	A

Coupling Tape - Tape with Rings



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17	100	1100	9.72	A

Offtake for Tape (PP)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
14*17	100	1100	11.74	A

Barbed Tee for Tape - Y (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*16	-	-	-	A

Barbed Coupling



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17	100	2400	11.68	A

Drip Tape Tee Offtake Connector (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*17	-	-	-	-

Adapter Tube - Tape with Ring



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*17	100	1500	10.75	A

Thread Elbow for Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17"*1/2"	100	700	9.21	A
17"*3/4"	100	600	8.79	A

Thread Elbow for Tape with Ring



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17"*1/2"				
17"*3/4"				

Barbed Elbow for Tape (PP)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*16	50	600	9.82	A

Tee Offtake for Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17	-	-	-	-

Coupling PE Tube - Drip Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*17	100	1000	10.36	A
16*20	-	-	-	A
16*22	-	-	-	A
20*20	-	-	-	A
20*22	-	-	-	A

Barbed Tee for Tape (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16*16*17	-	-	-	A

Tee for Tape (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*17	50	350	8.50	A

Barbed Tee for Tape (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*16	50	400	8.04	A

Barbed Tee for Tape with Rings



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*16	-	-	-	-

Plug Female (PP)



TYPE	D"	Pcs/Bag	Pcs/Box	Kg/Box
A	3/8"	350	3500	12.06
B	3/8"	200	2000	13.93

Plug with Gasket (PP)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
15	100	6000	18.55	A

Elbow for Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17	50	600	9.82	A

Male Thread Tee for Tape (PP)



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*1/2"	50	400	9.25	A
17*17*3/4"	-	-	-	-

Male Thread Tee for Tape with Rings



ø*ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17*17*1/2"	-	-	-	-
17*17*3/4"	-	-	-	-

Tee Layflat Tape-Tape (PP)



ø*ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
17	25	250	9.11	A

Plug (POM)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16	100	6000	-	A
20	100	3000	14.33	A
25	-	-	-	A

Plug with Gasket (PP)

(Use for code: 2035.0016, 2035.0020, 2520.0000, 2520.0001)



Layflat Hose Offtake with Plug (PP)



End Clamp Ring (PP)



ø	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
16	100	2700	8.93	A
20	100	1600	8.07	A

FERTILIZER INJECTORS VENTURI

Venturi (POM)



BSPT	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
1/2"	-	50	11.39	B

Venturi (PP)



BSPT	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2"	1	6	13.65	B

Venturi (POM)



BSPT	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
3/4"	-	50	11.02	B

Venturi (PP)



BSPT	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
3"	1	3	13.08	B

Venturi (PP)



BSPT	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
1"	1	20	15.58	B
1-1/2"	1	15	12.28	B

BIG GUN SPRINKLER

Big Gun Sprinkler



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius
1"	Full Circle Rotation (360°)	From 0° to 360°	5 mm – 6 mm – 7 mm – 9 mm	2 – 7 m ³ /h	1.5 – 4 bar	12 – 19 meters

Big Gun Sprinkler



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2" F	-	-	-	B

Big Gun Sprinkler



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
1 1/2"	Full Circle Rotation (360°)	From 0° to 360°	8 mm – 10 mm – 12 mm – 14 mm – 16 MM	5 – 25 m ³ /h	1.5 – 5 bar	26 – 29 meters	29 sec

Big Gun Sprinkler -24°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
1 1/2"	Full Circle Rotation (360°)	24°	12 mm – 14 mm – 16 mm – 20 mm	10 – 37 m ³ /h	2 – 5 bar	22 – 41 meters	1 min 40 sec

Big Gun Sprinkler



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
1-1/4" F	-	-	-	B

Big Gun Sprinkler -24°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
1 1/2"	Full Circle Rotation (360°)	24°	16 mm – 18 mm – 20 mm – 22 mm – 24 MM – 26 MM	18 – 75 m ³ /h	2 – 7 bar	26 – 63 meters	1 min 48 sec

Big Gun Sprinkler



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
1 1/2"	Full Circle Rotation (360°)	From 0° to 360°	8 mm – 10 mm – 12 mm – 14 mm – 16 MM	5 – 25 m ³ /h	2 – 6 bar	18 – 36 meters	29 sec

Big Gun Sprinkler - Adjustable

Big Gun Sprinkler -24



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	From 0° to 360°	8 mm – 10 mm – 12 mm – 14 mm – 16 MM	10 – 40 m ³ /h	1.5 – 5 bar	20 – 43 meters	1 min 18 sec



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
1-1/2" Flange	-	-	-	B

Big Gun Sprinkler -43°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	From 0° to 360°	14 mm – 16 mm – 18 mm – 20 mm – 22 MM	17 – 52 m ³ /h	3 – 8 bar	26 – 55 meters	1 min 18 sec

Big Gun Sprinkler -24°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	24°	16 mm – 18 mm – 20 mm – 22 mm – 24 MM – 26 MM	18 – 75 m ³ /h	2 – 7 bar	26 – 63 meters	1 min 48 sec

Big Gun Sprinkler - Adjustable Angle Nozzle (0-48°)



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2" Flange	1	-	-	B

Big Gun Sprinkler - Adjustable Angle Nozzle (0-48°)



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2-1/2" Flange	1	-	-	B

Big Gun Sprinkler - 18°



D"	Pcs/Bag	Pcs/Box	Kg/Box	Box Type
2" Flange	1	-	-	B

Big Gun Sprinkler - 24°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2" Flange	Full Circle Rotation (360°)	24° - 43°	20 mm - 22 mm - 24 mm - 26 mm - 28 MM - 30 MM	18 - 75 m ³ /h	2 - 7 bar	27 - 55 meters	25 sec

Big Gun Sprinkler - 43°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	24° - 43°	20 mm - 22 mm - 24 mm - 26 mm - 28 MM - 30 MM	18 - 75 m ³ /h	2 - 7 bar	27 - 55 meters	25 sec

Big Gun Sprinkler - 43°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	43°	20 mm - 22 mm - 24 mm - 26 mm - 28 MM - 30 MM	10 - 75 m ³ /h	2 - 8 bar	23 - 56 meters	25 sec

Big Gun Sprinkler - 43°



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
2"	Full Circle Rotation (360°)	43°	20 mm - 22 mm - 24 mm - 26 mm - 28 MM - 30 MM	10 - 70 m ³ /h	2 - 8 bar	31 - 58 meters	25 sec

Big Gun Sprinkler - Adjustable Angle



D"	Sprinkler Type	Adjustable Angle	Nozzle Sizes	Flow Rate	Operating Pressure	Sprinkling Radius	Rotation Time
3"	Full Circle Rotation (360°)	16° - 43°	20 mm - 22 mm - 24 mm - 26 mm - 28 MM - 30 MM	58 - 174 m ³ /h	3 - 8 bar	37 - 80 meters	Adjustable

Ductile Iron Fittings and Accessories

DI FLANGE R/J



Size	weight kg/pc
R/J 90MM	6.5
R/J 110MM	7
R/J 160MM	10
R/J 200MM	15
R/J 225MM	19
R/J 250MM	25
R/J 315MM	35

DI DISMANTLING JOINT



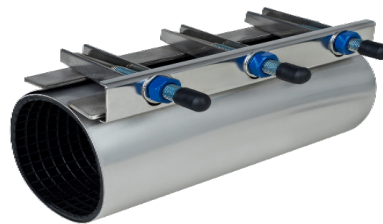
Size	weight kg/pc
DN100MM PN16	22
DN150MM PN16	30
DN200MM PN16	43
DN250MM PN16	55
DN300MM PN16	84
DN400MM PN16	147.5
DN500MM PN16	229
DN600MM PN16	314

DI Y-STRAINER



Size	weight kg/pc
DN 80MM PN 16	50
DN 100MM PN 16	100
DN 150MM PN 16	100
DN 200MM 8H PN 16	50
DN 200MM 12H PN 16	25

STAINLESS STEEL REPAIR CLAMPS



Size	weight kg/pc
62-76MM	1.3
88-103MM	2.05
108-118MM 20C	2.05
108-118MM 30C	3.05
124-138MM 20C	
158-172MM 20C	2.52
158-172MM 30C	3.74
190-210MM 20C	4.2
215-235MM 30C	6.8
240-260MM 30C	7
272-289MM 30C	7.5
313-336MM 30C	8.6
313-336MM 60C	17.2
29-33MM 7C	0.26
38-42MM 7C	0.28
48-51MM 7C	0.3
60-65MM 7C	0.34
220-230MM 30CM	5.12
38-43MM 15CM	0.54
48-55MM 15CM	1.2
61-65MM 15CM	1.24

GATE VALVE FLANGE



size	weight kg/pc
DN50MM PN16	7
ON65MM PN16	8.6
DN80MM PN16	10.5
DN100MM PN16	12.4
DN125MM PN16	19
DN150MM PN16	23.6
DN200MM 8H PN16	38.7
DN200MM 12H	38.7
DN250MM PN16	61
DN300MM PN16	84
DN400MM PN16	190

CHECK VALVE FLANGE



Size	weight kg/pc
DN65MM PN16	12
DN80MM PN16	16
DN100MM PN16	23
DN150MM PN16	53
DN200MM 8H	53
DN200MM 12H	69
DN250MM PN16	103
DN300MM PN 16	12

DI COUPLING



Size
58-72MM PN16
72-85MM PN16
88-103MM PN16
105-125MM PN16
108-128MM PN16
125-140MM PN16
132-154MM PN16
155-175MM PN16
158-182MM PN16
192-210MM PN16
218-235MM PN16
218-244MM PN16
272-289MM PN16
310-330MM PN16
315-335MM PN16
340-360MM PN16
351-378MM PN16
374-391MM PN16
390-410MM PN16
400-430MM PN 16
417-437MM PN16
417-447MM PN16
425-442MM PN16
436-462MM PN16
455-475MM PN16
476-500MM PN16
500-532MM PN16
526-546MM PN16
600-630MM PN16
630-650MM PN16
800-825MM PN16

DI FLANGE ADAPTER



Size
58-72MM PN16
72-85MM PN16
88-103MM PN16
105-125MM PN16
155-175MM PN 16
192-210MM PN 16
218-235MM PN 16
272-289MM PN 16
310-330MM PN 16
340-360MM PN 16
351-378MM PN 16
390-410MM PN 16
400-430MM PN 16
417-437MM PN 16
425-442MM PN 16
436-462MM PN 16
455-475MM PN 16
476-500MM PN 16
490-510MM PN 16
500-532MM PN 16
526-546MM PN 16
600-630MM PN 16
630-650MM PN 16
608-636MM PN 16
398-430MM PN 16

Flexible joint flang



Size	weight kg/pc
80 MM	25
100 MM	25
150 MM	25
200 MM	25
200 MM 12 Hole	25
3 INCH	25
4 INCH	25
6 INCH	25
8 INCH	25
8 INCH 12 Hole	25

GATE VALVE sokcet



Size	weight kg/pc
DN50MM PN16	6.7
DN65MM PN16	6.7
DN80MM PN16	9.2
DN100MM PN16	11.4
DN125MM PN16	21.6
DN150MM PN16	21.6
DN200MM PN16	34

GATE VALVE sokcet dictaildictail



Size	weight kg/pc
DN50MM PN16	8.5
DN65MM PN16	13.5
DN80MM PN16	13.5
DN100MM PN16	16.5
DN125MM PN16	30
DN150MM PN16	30
DN200MM PN16	49

Double Ball Air Valve



Size	weight kg/pc
80 mm	21
100 mm	25
150 mm	45
200 mm	136
80 mm	21

STREET BOX



Size	weight kg/pc
4 Inch to 8 Inch	6

SPINDLE-EXTENSIONS



Size	weight kg/pc
4' 5' 6' 8 inch all size in one	5

STAINLESS-STEEL-BAND



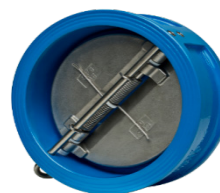
Size	weight kg/pc
62-76MM	1.65
88-103MM	1.8
108-118MM	1.8
108-118MM	1.8
124-138MM	1.97
158-172MM	2.15
158-172MM	2.15
190-210MM	2.27
215-235MM	2.3
240-260MM	2.41
272-289MM	2.5
all size clamp out 1 inch	
all size clamp out 2 inch	

FOOT VALVE FLANG



Size	weight kg/pc
DN 80 MM	8.5
DN 100 MM	9.5
DN150 MM	17
NGDN200 MM	26
DN200 MM 12 HOLE	26

BUTTER FLY-CHECK-VALVE



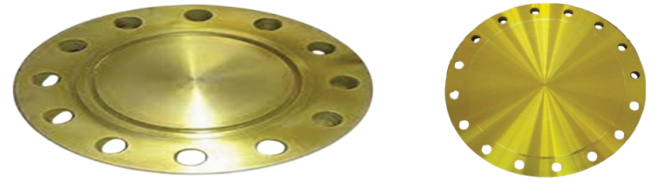
Size	weight kg/pc
DN50MM PN16	1.52
DN65MM PN16	2.12
DN80MM PN16	3.15
DN100MM PN16	4.48
DN125MM PN16	5.72
DN150MM PN16	8.74
DN200MM PN16	14.2

SLIP FLANGE



size	MATREL	THICKNESS
2"	CARBON STEEL	10MM
3"	CARBON STEEL	10MM
4"	CARBON STEEL	10MM
5"	CARBON STEEL	10MM
6"	CARBON STEEL	10MM
7"	CARBON STEEL	10MM
8"	CARBON STEEL	10MM
10"	CARBON STEEL	12MM
12"	CARBON STEEL	12MM

SOCKET FLANGE



size	MATREL	THICKNESS
2"	CARBON STEEL	10MM
3"	CARBON STEEL	10MM
4"	CARBON STEEL	10MM
5"	CARBON STEEL	10MM
6"	CARBON STEEL	10MM
7"	CARBON STEEL	10MM
8"	CARBON STEEL	10MM
10"	CARBON STEEL	12MM
12"	CARBON STEEL	12MM

NECK FLANGE



size	MATREL	THICKNESS
2"	CARBON STEEL	10MM
3"	CARBON STEEL	10MM
4"	CARBON STEEL	10MM
5"	CARBON STEEL	10MM
6"	CARBON STEEL	10MM
7"	CARBON STEEL	10MM
8"	CARBON STEEL	10MM
10"	CARBON STEEL	12MM
12"	CARBON STEEL	12MM

LONG NECK FLANGE



size	MATREL	THICKNESS
2"	CARBON STEEL	10MM
3"	CARBON STEEL	10MM
4"	CARBON STEEL	10MM
5"	CARBON STEEL	10MM
6"	CARBON STEEL	10MM
7"	CARBON STEEL	10MM
8"	CARBON STEEL	10MM
10"	CARBON STEEL	12MM
12"	CARBON STEEL	12MM

HDPE PIPE



Material

- High-Density Polyethylene (HDPE)
- MRS = 10 MPa
- σ_s = 8 MPa
- Design factor = 1.25
- Color: Black (for water)

Standard Lengths

- Up to Dia 125 mm: 100m coils
- Dia 140–250 mm: 12m straight lengths
- Other lengths and colors available on request

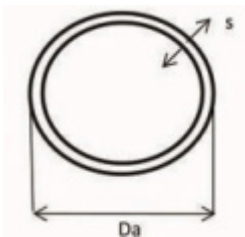
Equations

- Nominal Pressure (PN):

$$PN = \frac{2 \times \sigma_s \times s \times 10}{Da - s}$$

- Pipe Series:

$$Series = \frac{\sigma_s \times 10}{PN}$$



Notes

- Weight may vary according to polymer density.
- Calculated based on average density of 0.95 g/cm³.
- For other densities, mass should be determined by interpolation.
- Conforms to DIN 8074 / 8075 standards for PN/SDR classifications and dimensions.

Key Definitions

Symbol Description

- N Nominal Pressure (Bar)
- Wt Pipe Weight (Kg/m)
- s Wall Thickness (mm)
- Dia Nominal Outside Diameter (mm)
- SDR Standard Dimensional Ratio (Da/s)
- MRS Minimum Required Strength (MPa)

HDPE									
DA mm	6 BAR			10 BAR			16 BAR		
	THICKNE SS mm	Nominal pipe ID mm	Q= A*V(1.5) M3/HR	THICKNE SS mm	Nominal pipe ID mm	Q= A*V(1.5) M3/HR	THICKNE SS mm	Nominal pipe ID mm	Q= A*V(1.5) M3/HR
25				1.8	21.4	1.94	2.8	19.4	1.59
32	1.8	28.4	3.4	1.9	28.2	3.4	2.9	26.2	2.8
50	2	46	9	3	44	8.2	4.6	40.8	7.1
63	2.5	58	14.3	3.8	55.4	13	5.8	51.4	11.2
75	2.9	69.2	2.3	4.5	66	18.5	6.8	61.4	16
90	3.5	83	29.2	5.4	79.2	26.6	8.2	73.6	23
110	4.2	101.6	43.8	6.6	96.8	39.7	10	90	34.3
125	4.8	115.4	56.5	7.4	110.2	51.5	11.4	102.2	44.3
160	6.2	147.6	92.3	8.5	143	86.7	14.6	130.8	72.5
180	6.9	166.2	117.1	10.7	158.6	106.6	16.4	147.2	91.8
200	7.7	184.6	144.5	11.9	176.2	131.6	18.2	163.6	113.5

S. No.	Description	HDPE Pipe Availability by Pressure Rating		
		6 BAR	10 BAR	16 BAR
1	13 MM	✓	-	-
2	16 MM	✓	-	-
3	20 MM	✓	✓	✓
4	19 MM	✓	✓	✓
5	25 MM	✓	-	-
6	32 MM	✓	✓	✓
7	40 MM	✓	✓	✓
8	50 MM	✓	✓	✓
9	63 MM	✓	✓	✓
10	75 MM	✓	✓	✓
11	90 MM	✓	✓	✓
12	110 MM	✓	✓	✓
13	125 MM	✓	✓	✓
14	160 MM/meter	✓	✓	✓

LDPE PIPE

Apollo drip tape can help you improve yield, water-use efficiency, and crop quality by putting water and fertilizer right where you need them. Apollo Tape is the continuous labyrinth dripline ideal for low spacing between vegetable crops and flower cultivation. The reduced distance between the drip points and the low flow rate guarantees excellent performance even on very sandy soil.

✓ Anti-reflux slit emitter

Linear water outlet hole to prevent root intrusion and perform the anti-reflux function

✓ Large section labyrinth

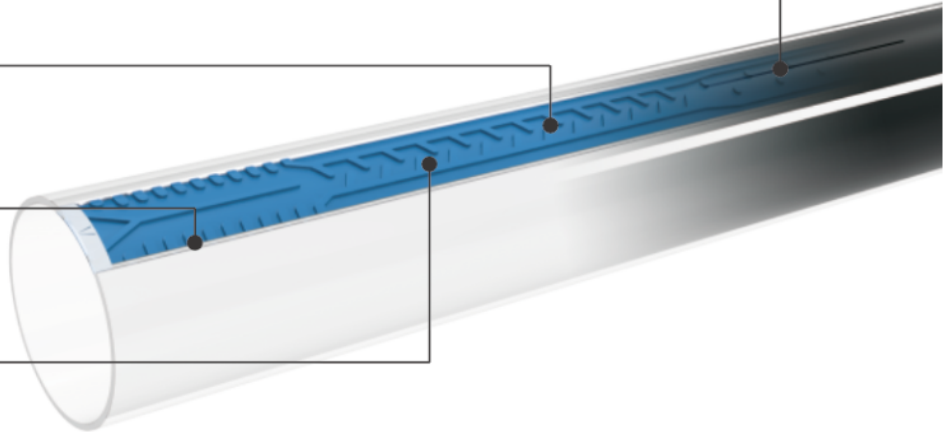
Proportionally Balanced Cross-Section increases flow turbulence and velocity

✓ Inlet filter

Internal filters that prevent particles from entering the maze

✓ Turbulent flow

Optimized flow passages further resist clogging



Flat-dripper drip tape - VIMI

- **Flow rates (L/h):**
1.0, 1.6, 2.0, 2.2
- **Spacing (cm):**
10, 15, 20, 25, 30, 35, 40, 45
- **Thickness (mil):**
6, 7, 8, 10, 12
- **Length/Roll (m):**
100, 350, 500, 1000, 1500, 2000, 2500, 3000



Seamless Labyrinth Drip Tape

- **Flow rates (L/h):**
0.6, 0.9, 1.1, 1.3, 1.5, 1.8, 2.2, 2.5
- **Spacing (cm):**
10, 20, 30, 40, 45, 50, 60
- **Thickness (mil):**
6, 7, 8, 10, 12
- **Length/Roll (m):**
100, 350, 500, 1000, 1500, 2000, 2500, 3000



DRIP TAPE

Benefits & Features

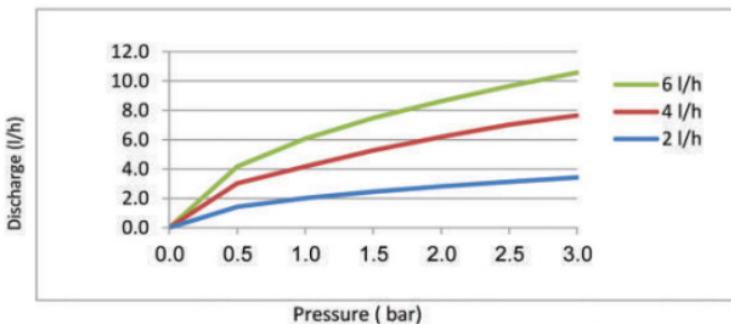
- All pipes are manufactured with UV and oxidation protection, making them durable to solar radiation without significant damage for many years.
- Micro-organisms or fungi do not attack PE pipes, either internally or externally.
- PE pipes are resistant to saline water, acid or alkaline solutions (excluding highly concentrated solutions), and to most substances used in agricultural applications.
- Available in standard coil lengths, large diameter reels, or pipe rods to meet specific requirements.
- Made with quality low or medium density polyethylene resin, especially formulated to resist cracking and kinking, and to ensure long-term reliability.
- Precision manufacturing to ensure the uniformity of internal diameter and wall thickness.
- Contains recycled material that contributes to achieving a circular economy and helps growers reach their ESG targets.
- 5 Year Warranty: provides best-in-class reassurance on all blank polyethylene tubing 1.0mm and upwards.

Multiple diameters & coil lengths

Product Name	Pipe (mm)		Ø 16		Operating Pressure (bar)	CV%
	Wall Thickness	Discharge rate	inside	Outside		
Reef 80	0.8	2,4 and 6	14.00	15.60	0.5-30	<5
Reef 100	1.0	24 and 6	14.00	16.00	0.5-40	<5





Maximum lateral length (m) on flat ground at different discharge variations*

Discharge Variation %	Dripper Spacing (cm)	33			40			50			60			75			100		
		2.0	4.0	6.0	2.0	4.0	6.0	2.0	4.0	6.0	2.0	4.0	6.0	2.0	4.0	6.0	2.0	4.0	6.0
5	16 Ø	49	41	30	55	45	34	58	51	42	66	58	48	82	70	54	99	85	67
10		62	51	36	66	55	41	75	64	50	97	74	55	103	82	65	136	105	go
15		68	56	41	72	61	48	88	74	56	96	82	64	112	98	81	144	123	96
20		76	62	45	89	74	54	101	84	62	112	95	73	124	110	91	168	141	105





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