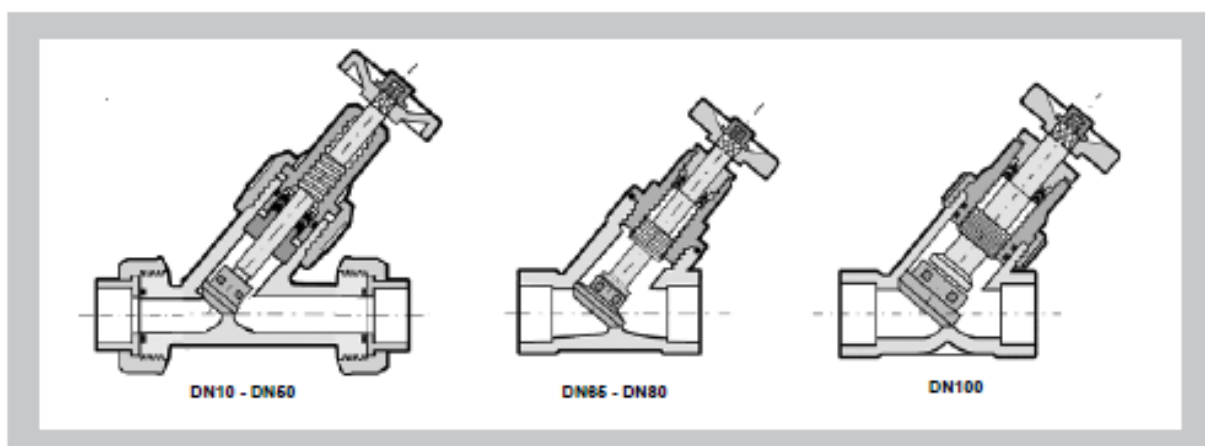




VV Angle Seat Valve

- The VV Angle seat Valve is manually operated by a handwheel. It is particularly suited for the control of flow of clean fluids
- Size range from DN10 up to DN100
- Pressure rating: Maximum working pressure up to 16 bar @ 20°C (Water)
- The valve may be installed in any orientation
- Maintenance can be carried whilst the valve body is in line
- For more information, please visit our website www.durapipe.co.uk



Legend

d	Nominal outside diameter
DN	Nominal internal diameter in mm
R	Nominal size of the thread in inches
PN	Nominal pressure in bar (max. working Pressure at 20°C - water)
gms	Weight in grams
ABS	Acrylonitrile Butadiene Styrene
PVC-U	Polyvinyl chloride unplasticised
PP	Polypropylene
EPDM	Ethylene Propylene Diene Monomer (M-class) rubber
s	Wall thickness (mm)
SDR	Standard dimension ratio = d/s



Dimensions and Standards

Imperial

The Imperial System is manufactured in accordance with the relevant British Standards: BS 5392 fittings.

Metric

The Metric System is manufactured generally in accordance with the relevant International Standards: ISO 15493, KIWA 49 and 549, DIN 8062 and 8063.

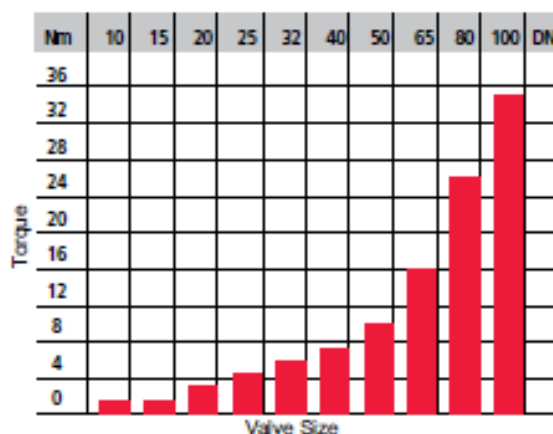
BSP Thread

Threaded fittings conform to the requirements of BS 21/DIN 2999/ISO7. Socket dimensions of metric fittings for solvent welding comply with ISO/DIS 727-1.

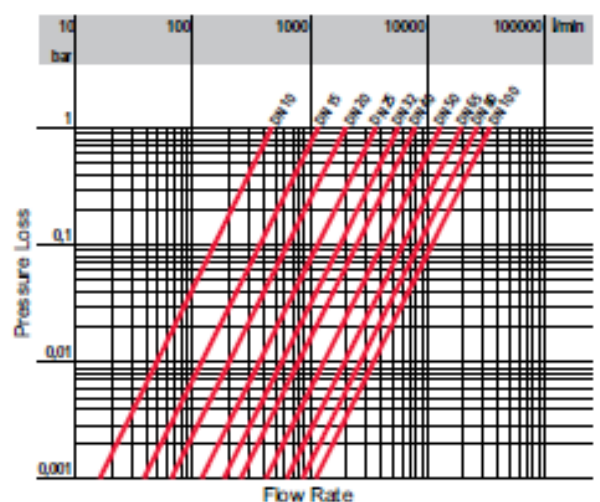
Interchangeability

Components in the imperial and metric ranges are not interchangeable.

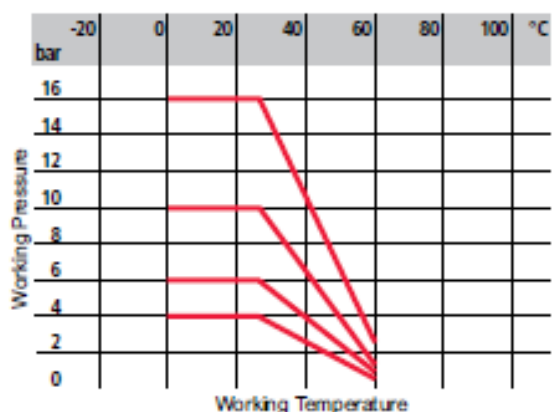
Technical Data



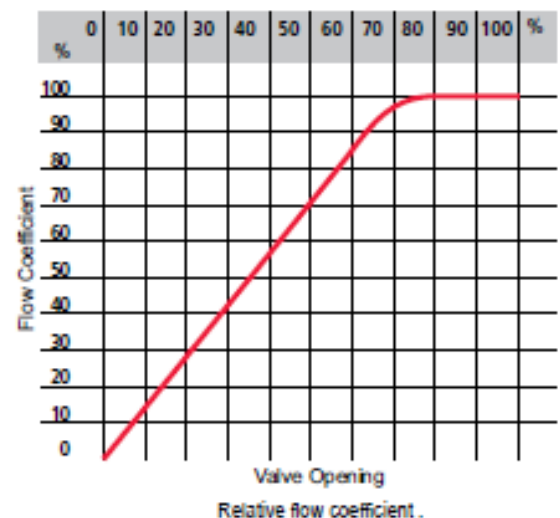
Maximum torque at maximum working pressure.



Pressure loss chart.



Pressure/temperature rating for water and harmless fluids to which the material is RESISTANT. In other cases a reduction of the PN is required. (25 years with safety factor).



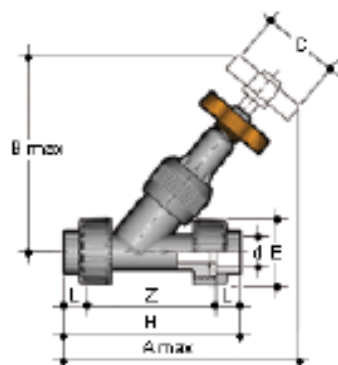
DN	10	15	20	25	32	40	50	65	80	100
K_{v100}	47	110	205	375	560	835	1300	1950	2600	3500

Flow coefficient K_{v100}

K_{v100} is the number of litres per minute of water at a temperature of 20°C that will flow through a valve with a one bar pressure differential at a specified rate. The K_{v100} values shown in the table are calculated with the valve fully open.



BS Series Female Ends

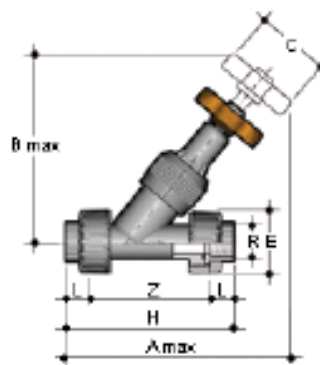


VVULV PVC-U

Diaphragm valve with BS series female ends for solvent welding

PVC-U											
d	DN	PN	B _{max}	C	E	L	Z	H	A _{max}	gms	EPDM Code
1/2	15	16	124	60	55	16.5	102	135	173	251	H0 VUE 102
3/4	20	16	146	60	66	19	120	158	197	413	H0 VUE 103
1	25	16	173	70	75	22.5	131	176	223	621	H0 VUE 104
1 1/4	32	10	195	85	87	26	155	207	258	903	H0 VUE 105
1 1/2	40	10	222	105	100	30	183	243	295	1320	H0 VUE 106
2	50	10	269	130	120	36	226	298	359	2238	H0 VUE 107

BSP Threaded Series Female Ends

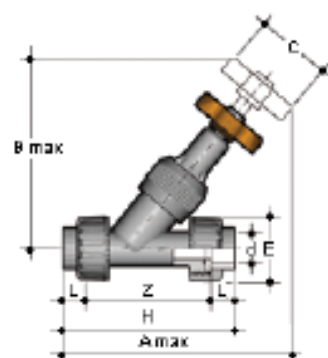


VVUFV PVC-U

Diaphragm valve with BSP parallel female threaded ends

PVC-U											
d	DN	PN	B _{max}	C	E	L	Z	H	A _{max}	gms	EPDM Code
1/2	15	16	124	60	55	15	113	143	173	251	H0 VUE B02
3/4	20	16	146	60	66	16.3	127.4	160	197	413	H0 VUE B03
1	25	16	173	70	75	19.1	144.8	183	223	621	H0 VUE B04
1 1/4	32	10	195	85	87	21.4	171.2	214	258	903	H0 VUE B05
1 1/2	40	10	222	105	100	21.4	192.2	235	295	1320	H0 VUE B06
2	50	10	269	130	120	25.7	233.6	285	359	2238	H0 VUE B07

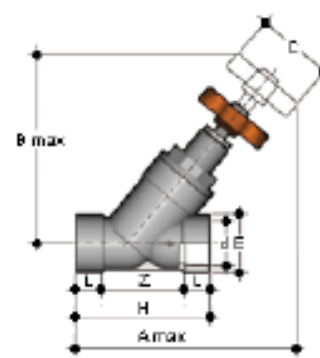
Metric Series Female Ends



VVUIV PVC-U

Diaphragm valve with Metric series female ends for solvent welding

PVC-U											
d	DN	PN	B _{max}	C	E	L	Z	H	A _{max}	gms	EPDM Code
16	10	16	124	60	55	14	107	135	170	238	H0 VUE 305
20	15	16	124	60	55	16	103	135	173	251	H0 VUE 306
25	20	16	146	60	66	19	120	158	197	413	H0 VUE 307
32	25	16	173	70	75	22	132	176	223	621	H0 VUE 308
40	32	10	195	85	87	26	155	207	258	903	H0 VUE 309
50	40	10	222	105	100	31	181	243	295	1320	H0 VUE 310
63	50	10	269	130	120	38	222	298	359	2238	H0 VUE 310



VVIV PVC-U

Diaphragm valve with Metric series female ends for solvent welding

PVC-U											
d	DN	PN	B _{max}	C	E	L	Z	H	A _{max}	gms	EPDM Code
75	65	10	326	174	104	44	155	243	347	3190	H0 VVE 312
90	80	6	368	174	116	51	160	262	423	4110	H0 VVE 313
110	100	6	420	174	138	61	203	325	498	6040	H0 VVE 314