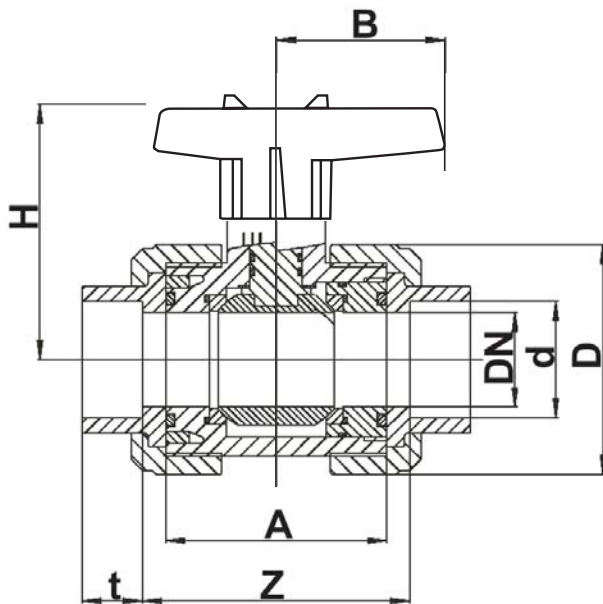


S5 Series PVC True Union PVC Ball Valves



- Materials:** UPVC (grey) - or equivalent Type 1, grade1
- Ball seats:** PTFE (Teflon) or HDPE (High density polyethylene)
- O-rings:** EPDM - grade 1 (NSF 61)
Buna N
FPM (Viton)
- Handle:** ABS
- End connections:** ASTM GLUE SOCKET
or FNPT SOCKET (threaded) SCH80

Pressure rating at 22° C: 200psi (1/2" - 2"), 146psi (2.5" - 4")



FEATURE:

- Handle can be used as tool to adjust threaded seal carrier.
- Double stem O-ring
- Available with both threaded and socket ends up to 2"

Manufactured in ISO 9001-2000 facility

d	mm	16	20	25	32	40	50	63	75	90
G	inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A	mm	42,0	42,0	48,0	51,0	63,0	71,0	84,0	136,0	163,0
Z	mm	48,0	48,0	54,0	57,0	70,0	81,0	96,0	148,0	184,0
t	mm	16,5	16,5	19,5	22,5	26,5	31,5	38,5	44,5	54,5
D	mm	52,0	52,0	64,0	70,0	85,0	98,0	112,5	150,0	188,0
H	mm	48,0	48,0	55,0	57,5	78,0	85,0	97,0	127,0	160,0
B	mm	42,5	42,5	55,0	55,0	65,0	75,0	75,0	111,0	133,0
Weight	kg	0,14	0,14	0,22	0,28	0,52	0,72	1,05	2,82	5,39
Cv valve	GPM	19.25	35.35	58.1	88.2	100	128.8	238	371	518

phone: 705-725-1100 • fax: 705-725-0444

www.prahervalves.com

Factor of flow Kv 100

d	DN	G	K
mm	mm	inches	l/mm
16	10	3/8"	275
20	15	1/2"	505
25	20	3/4"	830
32	25	1"	1260
50	40	1 1/2"	1840
63	50	2"	3400
75	65	2 1/2"	5300
90	80	3"	7400

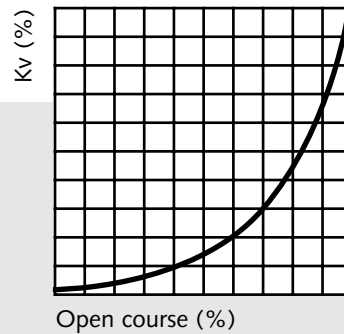
with water at 20°C Δp=1 bar

Table of conversion

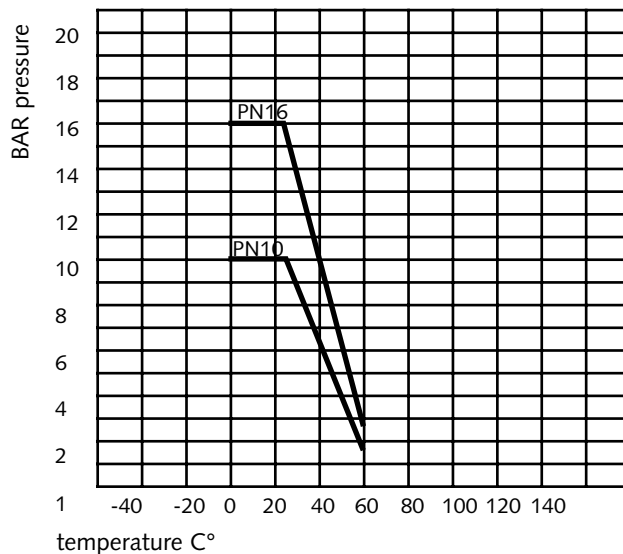
25,4 mm	=	1" (1 in)
1 m ³ /h	=	4,4 GPM
1 bar	=	14,5 PSI
1 m ³ /h	=	16,7 l/min
1 bar	=	0,1 N/mm ² = 10m WS

	Kv	C	F
Kv	1	14,28	17,09
Cv	0,07	1	1,1966
F	0,0585	0,8357	1
e.g.	Kv x 0.07 = Cv ; F x 17.09 =Kv		

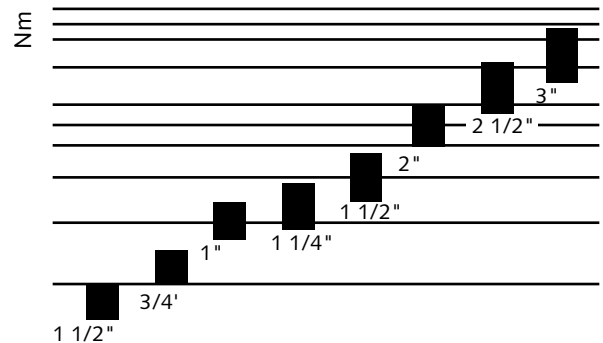
Factor characteristics



Pressure-Temperature Diagram



Torque 1 Nm = 8.66 inch lbs



Lower values shown in graphic are approximate values for pressureless conditions, high valves shown are approximate values for operation at nominal pressure (PN).