

REGULATOR DETAILS

Model	Size	Seat Diam. (ø) mm	Cv (Kv)	Inlet (A1) mm ²	Outlet (A2) mm ²		
				Effective Seat Area	Compression fitting	I.D. tubing *	I.D. piping **
RS2 – RD2	DN6	2,2	0.05(0.043)	2	18	--	--
LRS4	DN15	2,2	0.05(0.043)	2	85	--	--
		6	0.73(0.62)	25			
RS4–RA4	DN15	10	1.95(1.66)	67	85	83 ***	196
RS6–RD6–RA6	DN20	10	1.95(1.66)	67	195	195	344
RS8–RD8–RA8	DN25	10	2.07(1.79)	67	308	384	557
RS10 – RD10	DN25	14	3.79(3.28)	126	308	384	557
RS15 – RD15	DN40	19	7.3(6.3)	255	910	951	1314
RS20 – RD20	DN50	25	13(11)	460	1660	1772	2165
RDF25	DN65	32	21(18)	776	--	2846	3088
RDF30	DN80	42	36(31)	1310	--	4174	4769
RDF40	DN100	60	73(62)	2673	--	7589	8213
BS2	DN6	2,2	0.1(0.09)	3.8	18	--	--
LBS4	DN15	8	1.3(1.1)	40	85	--	--
		5	0.49 (0.42)	19			
BS4	DN15	10	1.95(1.66)	67	85	69	196
		5	0.49 (0.42)	19			
BS6 – BD6	DN20	10	1.95(1.66)	67	195	195	344
		5	0.49 (0.42)	19			
BS8 – BD8	DN25	10	1.95(1.66)	67	308	384	557
		5	0.49 (0.42)	19			
BS10 – BD10	DN25	14	3.84(3.28)	126	308	384	557
BS15 – BD15	DN40	19	7.3(6.3)	255	910	951	1314
BS20 – BD20	DN50	25	13(11)	460	1660	1772	2165
BDF25	DN65	32	21(18)	776	--	2846	3088
BDF30	DN80	42	36(31)	1310	--	4174	4769
BDF40	DN100	60	73(62)	2673	--	7589	8213
HPRS15	1½"BSOD	19	7(6)	255	--	951	--
PRSTC4	½"BSOD	6	0.70 (0.60)	24	--	69	--
PRSTC8	1"BSOD	10	1.89 (1.61)	69	--	384	--
PRSTC12	1½"BSOD	17	5.48 (4.66)	199	--	951	--

- * Based on O.D. tubing, wall thickness 1.65 mm
- ** Based on O.D. piping schedule 40 wall thickness
- *** Based on O.D. tubing, wall thickness 1.22 mm

CONNECTING REGULATORS

Even though our regulators have **pipe threads** many customers, on the smaller sizes, will use compression fittings. These fittings are based on OD tube sizes. The internal diameter of a compression fitting is less than the internal diameter of a real pipefitting or a flange.

Hence we give you **3 outlet areas:**

1. the orifice area of an average compression fitting
2. the orifice area of tubing
3. the orifice area of piping/flanges

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