

Hydraulic Check Valves - Series: VU 250 - 500 BAR Rated

Technical Features and Options

- Sealing system: Metal to metal
- Standard opening pressure: 5 psi (0.35 bar) and 65 psi (4.5 bar)
- Thread available: BSP, NPT, SAE
- Different opening pressure: On request
- Different thread: Male / Female: On request
- Central hole in the piston: On request
- Temperature range: from -20°C to +120°C (from -4°F to +248°F).

Article no. BSP 0.35 bar Cracking	Article no. BSP 4.5 bar Cracking	Size BSP	Max. Pressure BAR	Price £	Price €
810200100	810200400	1/8"	500	£11.70	€12.30
810200101	810200401	1/4"	450	£9.90	€10.40
810200102	810200402	3/8"	450	£12.20	€12.80
810200103	810200403	1/2"	400	£14.20	€14.90
810200104	810200404	3/4"	400	£21.00	€22.10
810200105	810200405	1"	400	£27.50	€28.90
810200106	810200406	1 1/4"	300	£57.70	€60.50
810200107	810200407	1 1/2"	300	£95.00	€99.70
810200108	810200408	2"	150	£162.80	€170.90

Article no. NPT 0.35 bar Cracking	Article no. NPT 4.5 bar Cracking	Size NPT	Max. Pressure BAR	Price £	Price €
810201100	810201400	1/8"	500	£12.90	€13.60
810201101	810201401	1/4"	450	£10.10	€10.60
810201102	810201402	3/8"	450	£11.40	€11.90
810201103	810201403	1/2"	400	£14.80	€15.60
810201104	810201404	3/4"	400	£20.90	€21.90
810201105	810201405	1"	400	£41.40	€43.50
810201106	810201406	1 1/4"	300	£73.60	€77.30
810201107	810201407	1 1/2"	300	£98.70	€103.70
810201108	810201408	2"	150	£199.10	€209.10

Performance

	Size	Max. flow suggested		Burst pressure	
		l/min	GPM	MPa	psi
VU18	1/8	6	1,59	160	23200
VU14	1/4	24	6,36	140	20300
VU38	3/8	46	12,19	140	20300
VU12	1/2	90	23,85	120	17400
VU34	3/4	148	39,22	120	17400
VU100	1	200	53,00	120	17400
VU114	1-1/4	378	100,17	100	14500
VU112	1-1/2	600	159,00	100	14500
VU200	2	1000	265,00	45	6525

Dimensions (mm)

Description	A	B	C	D	Weight Kg
VU18 BSP	1/8	14.0	44.0	16.2	0.038
VU14 BSP	1/4	19.0	60.0	21.9	0.092
VU38 BSP	3/8	24.0	70.0	27.7	0.177
VU12 BSP	1/2	30.0	77.0	34.6	0.298
VU34 BSP	3/4	36.0	90.0	41.6	0.488
VU100 BSP	1	45.0	106.0	52.0	0.873
VU114 BSP	1-1/4	55.0	125.0	63.5	1.489
VU112 BSP	1-1/2	65.0	140.0	75.1	2.428
VU200 BSP	2	75.0	160.0	86.6	3.130



STRAINERS & CHECK VALVES

Materials

- Construction material: Carbon steel. Sealing piston hardened with carbonitriding treatment
- Surface treatment of body valve: phosphate or zinc plated CrIII
- Springs: C72 steel

