



PLEIX-QUIP



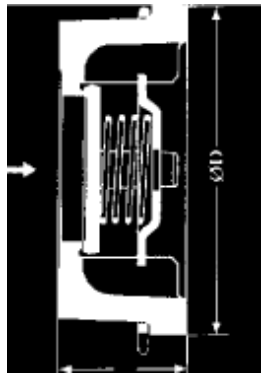
Africa (Pty)Ltd

WCS-SS316 SINGLE DOOR WAFER DISCO CHECK VALVE - PQWCS

PQWCS, PN40, Stainless steel, ASTM A351 CF8M, DN15 to DN150

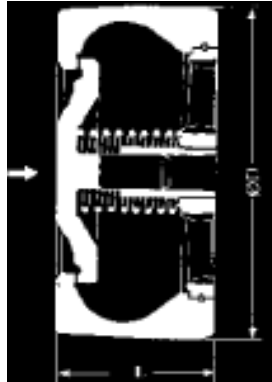
Applications: Disco type all-stainless steel wafer check valves are suitable for a wide range of anti-corrosive duties in PN40 piping systems within the P/T limits shown. The valves react instantly to changes in velocity pressure and are highly sensitive. Not recommended for pulsating flows or in conjunction with compressors.

Materials: Body materials vary with valve DN and are detailed in the materials chart. In sizes DN15 to DN100 the A182 F316 disk closes on integral stainless seats; the larger valves incorporate a guided valve cone sealing on A182 F316 integral seats. Both designs provide positive metal to metal shut-off. Flange accommodation includes DIN PN10/PN16/PN25/PN40; BS 10 tables D,E,F,H,J; ANSI B16.1 Class 125FF; ANSI B16.5 Classes 150 RF and 300RF (sizes DN50 to DN150, except DN65). Please detail media, flow rates, operating P/T data when ordering.



Disc design:
Metal to metal seat

Centering ring
DN15 to DN100



Opening pressures – Mbar according to direction of flow

DN	in	Upward	Horizontal	Downward
15	½	22.0	20.5	17.0
20	¾	21.9	20.5	17.1
25	1	21.5	20.5	17.5
32	1¼	23.2	20.5	15.8
40	1½	23.5	20.5	15.5
50	2	23.6	20.5	15.4
65	2½	29.4	20.5	14.6
80	3	25.1	20.5	13.9
100	4	26.3	20.5	12.7
125	5	27.5	22.0	12.5
150	6	30.5	24.0	9.5

P/T ratings The minimum operating temperature is minus

Temperature ° Celsius	120°	200°	300°	400°	500°	550°
Pressure bar	40	34	32	29	25	24

Materials

DN15 THROUGH TO DN100		DN125 through to DN150	
Part	Material	Part	Material
Body, seat and guide ribs		Body	ASTMA351 CF8M
DN15 to DN25	ASTMA351 CF8M	Valve cone, guide support	ASTMA351 CF8M
DN32 to DN100	ASTMA 182 F316		
Valve Disc, spring	ASTMA 182 F316	Spindle guide	ASTMA351 CF8M
Retainer Spring	ASTMA 313 316Ti	Spring	ASTMA 313 316Ti
Centering ring	ASTMA 313 302		

Testing – each valve is individually tested.

Dimensions mm/ Weights

DN	15	20	25	32	40	50	65	80	100	125	150
IN	½	¾	1	1¼	1½	2	2½	3	4	5	6
L	17	20	22	28	32	40	46	50	60	90	106
D	45	55	65	75	84	98	117	133	153	180	205
kg	0.1	0.2	0.3	0.5	0.7	1	1.9	2.7	3.9	6.9	10.8

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