



PARTS & MATERIAL LIST

1	BODY	BRASS BS EN 12164 CW614N
2	SEAL	RUBBER
3	PLUNGER	BRASS BS EN 12164 CW614N
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302) & 1.4568 (301)
5	ADJUSTER	BRASS BS EN 12164 CW614N
6	O'RING	NITRILE
7	ADAPTOR	BRASS BS EN 12164 CW614N

APPROVALS

P.E.D. 97/23/EC

Type examination module B, Cert. No. 2002/033/8878

Quality management system module D, Cert No. EDS 0002011/01

Designed in accordance with BS EN ISO 4126-1

Meeting the requirements of A.S.M.E. Boiler & Pressure Vessel Code section VIII for air/gas.

UV Cert. of Authorisation: 35757

Capacities certified by the National Board of Boiler & Pressure Vessel Inspectors.

TECHNICAL DATA

Relieving pressure = Set pressure +10%

Reseating pressure = Set pressure -15%

Maximum set pressure = 50 Bar.g.

Minimum set pressure = 13.5 Bar.g.

Flow area = 71mm²

Inlet bore diameter = 9.5mm

Temperature range = -30°C to 200°C Perfluoroelastomer.

Derated coefficient of discharge K_{dr} = 0.485

NB Certified rated slope = 1.04 scfm/psia

FOR FURTHER TECHNICAL INFORMATION, CONVERSION FACTORS, INSTALLATION AND OPERATING INSTRUCTIONS ETC.
SEE TECHNICAL INFORMATION SECTION.



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT

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INLINE REFRIGERANT VALVE

TYPE APPROVAL

TYPE 319000251

SHEET 1 OF 2 SHEETS

319 TYPE
REFRIGERATION

FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION.

SET PRESSURE BAR.G	13.5	14	16	18	20	24	26	28	30	35	40	45	50
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH ISO 4126, AIR @ 0°C & 1.013 BAR Kg/min	7.9	8.2	9.3	10.4	11.5	13.7	14.8	15.9	17.1	19.9	22.7	25.5	28.2
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH ISO 4126, AIR @ 0°C & 1.013 BAR lb/min	17.4	18.0	20.5	22.9	25.4	30.2	32.6	35.0	37.6	43.7	49.8	55.9	62.0

FLOW CHART (A.S.M.E.)

SET PRESSURE Psi.g.	195.75	200	235	250	300	325	350	400	450	500	550	600	650	700	725
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E., AIR @ 60°F & 14.7 psia/scfm	239.2	244	284	301.2	358.5	387	415.5	472.9	530	587	644.5	702	759	816	845
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E., AIR @ 60°F & 14.7 psia/lb/min	18.2	18.6	21.6	22.9	27.2	29.4	31.6	35.9	40.3	44.6	49.0	53.3	57.7	62.0	64.2
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E., AIR @ 60°F & 14.7 psia/Kg/min	8.2	8.4	9.8	10.4	12.4	13.4	14.3	16.3	18.3	20.3	22.2	24.2	26.2	28.2	29.1

VALVE SELECTION CHART

SEETRU No.			CONNECTION		SEAL MATERIAL.
P.E.D. A.S.M.E.	A.S.M.E.	P.E.D.	A	B	
319000388	319000390	319000253	3/8" NPT	1/2" FLARE	PERFLUOROELASTOMER
319000389	319000391	319000254	1/2" NPT	5/8" FLARE	

FOR ALTERNATIVE CONNECTIONS, CONSULT SEETRU.



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