



ILLUSTRATED SHOWING  
**TYPE S**  
SEALED BASIC VALVE

**PARTS LIST & MATERIAL SPECIFICATION**

1	SEAT	ST.STL.
2	BODY	ST.STL.
3	BALL	ST.STL.
4	PLUNGER	ST.STL.
5	SPRING	ST.STL.
6	ADJUSTER	ST.STL.
7	CAP	ST.STL.
8	O'RING	VITON
9	COVER	ST.STL.
10	WIRELOCKING	LEAD & ST.STL.

**APPROVALS**

Designed in accordance with BS EN ISO 4126-1  
P.E.D. 2014/68/EU  
Type examination module B, Cert. No. 2002/040/8969/1  
Quality management system module D, Cert No. COV0812369/01  
Meeting the requirements of the A.S.M.E. Boiler & Pressure Vessel Code section VIII for air.  
UV Cert. of Authorisation: 35757  
Capacities certified by the National Board of Boiler & Pressure Vessel Inspectors.

**THESE VALVES SHOULD ONLY BE TESTED FOR SET PRESSURE ON LIQUID PRIOR TO FINAL INSTALLATION. VALVES THAT ARE TESTED ON AIR & FULLY LIFTED WILL CAUSE DAMAGE TO THE SEALING FACE.**

**TECHNICAL DATA**

Relieving pressure	= Set pressure +10%
Reseating pressure	= Set pressure -10%
Maximum set pressure	= 500 Bar.g.
Minimum set pressure	= 35 Bar.g.
Flow area	= 16.6mm <sup>2</sup>
Inlet bore diameter	= 4.6mm
Temperature range	= 0° to 200°C
Derated coefficient of discharge K <sub>dr</sub>	= 0.402
N.B. Certified rated slope	= 0.34 scfm/psia
Maximum permissible built up back pressure	= 10% of set pressure.

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



**SEETRU LIMITED**  
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4.6mm Nom. Bore ST.STL. CONSTRUCTION  
DIRECT SPRING LOADED ENCLOSED DISCHARGE  
SAFETY VALVE FOR COMPRESSED AIR & GASES  
TYPE 359000053

SHEET 1 OF 2 SHEETS

TYPE  
359000009  
359000040  
359530000

FLOW CHART

SET PRESSURE Bar.g.	35	50	100	150	200	250	300	350	400	450	500
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH BS 6759, AIR AT 15°C AND 1013m bar. Std.Litres/sec.	50.7	72	142.6	213.2	283.8	354.5	425.2	495.8	566.4	637.1	707.7

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

SET PRESSURE Psi.g.	507.5	725	1450	2175	2900	3625	4350	5075	5800	6525	7250
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E., AIR AT 60°F AND 14.7 psia/scfm	195	276	547	818	1090	1361	1632	1903	2174	2445	2716

VALVE SELECTION CHART

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE
G 3/8 (3/8"BSP PARALLEL)	G 1/2 (1/2"BSP PARALLEL)	359000009
G 1/2 (1/2"BSP PARALLEL)		359530000
R 1/2 (1/2"BSP TAPER)		359000040



SHEET 2 OF 2 SHEETS

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