



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 ISO 4126-1:1991 & BS 6759-2:1984
P.E.D. 97/23/EC
Type examination module B, Cert. No. 2002/040/8969/1
Quality management system module D, Cert No. EDS 0002011/01

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 = 16.6mm²
Derated coefficient of discharge K_{dr} = 0.402
Inlet bore diameter = 4.6mm
Temperature range = 0° to 200°C
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.

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

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



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

TYPE
359000009
359000040
359530000