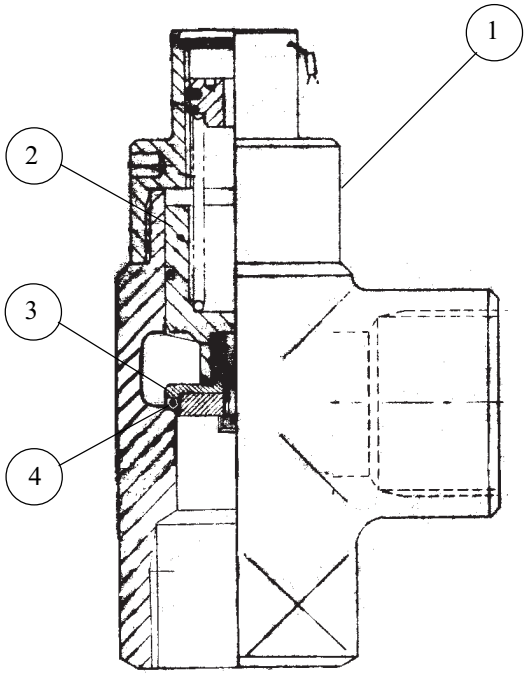


DIAGRAM IS REPRESENTATIVE OF VALVE NUMBERS 419280000 AND 419310000

PARTS LIST AND
MATERIAL SPECIFICATION

1	BODY	GREY CAST IRON or ALUMINIUM
2	PISTON	ALUMINIUM ALLOY
3	PLUNGER	ALUMINIUM ALLOY
4	SEAL	VITON

FLOW CHART - FULL LIFT FLOW OF AIR AT 100 p.s.i.g. (SCFM)

	VALVE SPECIFICATION NUMBER			
	419280000	419290000	419300000	419310000
AT 1 p.s.i.g. PRESSURE DROP	FLOW NOT TESTED	465	1500	320

TECHNICAL INFORMATION TABLE

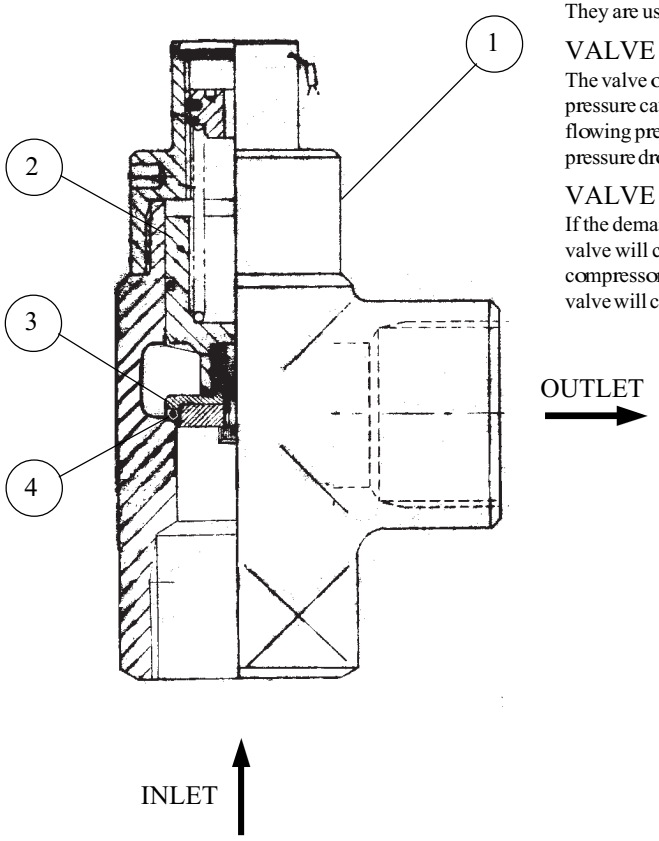
VALVE SPECIFICATION NUMBER	INLET CONNECTION	OUTLET CONNECTION	MINIMUM PRESSURE (P.S.I.G.)	COMMENTS
419280000	1 1/4" BSP TAPER FEMALE	1 1/4" BSP PARALLEL	RANGE 35 - 75	SUITABLE FOR WORKING PRESSURE UP TO 200 P.S.I.G.
419290000	2" NPT FEMALE	2" NPT FEMALE	60 - 75 ONLY	-
419300000	3" FLANGED	3" FLANGED	46	SINGLE SET PRESSURE, BUT CAN BE ADJUSTED
419310000	1 1/2" BSP PARALLEL FEMALE	1 1/2" BSP PARALLEL FEMALE	RANGE 33 - 75	SUITABLE FOR WORKING PRESSURE UP TO 200 P.S.I.G.

SEETRU LIMITED

SEETRU LIMITED ALBION DOCKSIDE WORKS,
HANOVER PLACE, BRISTOL. BS1 6UT
TELEPHONE (0117) 927 9204, FAX (0117) 929 8193

CURRENTLY AVAILABLE RANGE OF MINIMUM PRESSURE VALVES

MINIMUM PRESSURE VALVES



DESCRIPTION DESIGN

Minimum pressure check valves are spring loaded pressure control valves with an inbuilt check (non-return) valve. They are usually fitted to the AIR/OIL separator tank.

VALVE OPENING

The valve opens when the increasing inlet pressure exceeds the adjusted opening pressure. Further increasing the pressure causes the piston to progressively open until the output of the compressor flows through the valve at the flowing pressure required. The valve size is selected to suit the flow required at the specified flowing pressure and pressure drop.

VALVE CLOSING

If the demand for air is such that the pressure at the valve inlet decreases to the specified minimum pressure, the valve will close to a position such that the flow through the valve will be equal to the flow produced by the compressor. If there is a back pressure down stream of the valve which is greater than the inlet pressure, the check valve will close.

PARTS LIST AND MATERIAL SPECIFICATION

1	BODY	GREY CAST IRON OR ALUMINIUM
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3	PLUNGER	ALUMINIUM ALLOY
4	SEAL	VITON

PRESSURE & FLOW DETAILS

Operating pressure range = 2.4 - 5.2 bar.g
Maximum pressure = 13.8 bar.g
Pressure drop as little as 0.07 bar.g

Flow up to 2548.5 m³/hr

CONNECTION DETAILS

THREAD TYPES AVAILABLE - BSP, BSP.T, NPT.									
INLET SIZE					OUTLET SIZE				
3/4"	1"	1 1/4"	1 1/2"	2"	3/4"	1"	1 1/4"	1 1/2"	2"
FLANGED CONNECTIONS ALSO AVAILABLE									

SEETRU LIMITED

CONTACT SEETRU FOR FURTHER INFORMATION AND ASSISTANCE WITH PRODUCT SELECTION.

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HANOVER PLACE, BRISTOL. BS1 6UT
TELEPHONE (0117) 927 9204, FAX (0117) 929 8193

CURRENTLY AVAILABLE RANGE OF MINIMUM PRESSURE VALVES

MINIMUM PRESSURE VALVES

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ITEM No.	No. OFF	NAME	MATL OR PART No.	
1	1	BODY	BRASS BS2874 CZ132	V0310451
2	1	ADJUSTER	BRASS BS2874 CZ132	V0710211
3	1	PLUNGER	BRASS BS2874 CZ132	V0410145
4	1	NAMEPLATE	ALUMINIUM ALLOY	V1210476
5	1	SPRING	ST.STL.	SEE TABLE
6	1	DISC SEAL	SILICONE	V1410943
7	1	PULL RING	ST.STL.	V1210454
8	1	LOCKING SLUG	NYLON	V1210057

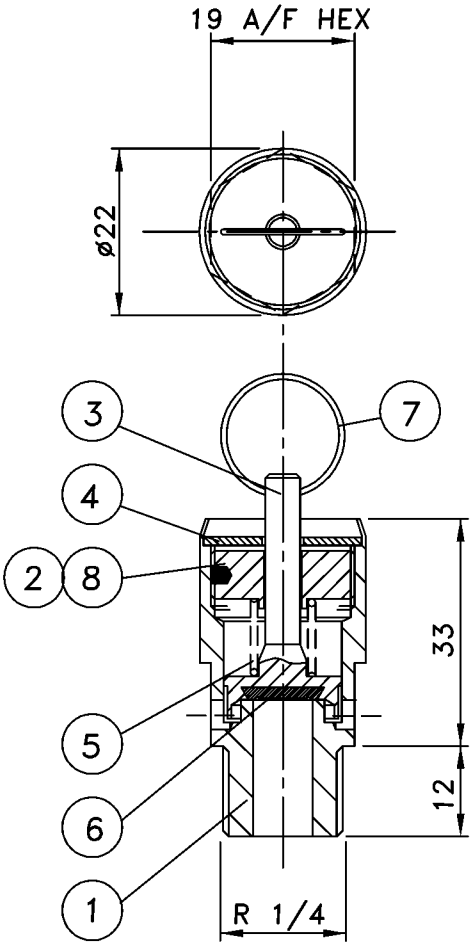


TABLE 1

PRESSURE RANGE BAR.G.	SPRING
0.27 – 0.4	V1310041
0.4 – 0.9	V1310235
0.9 – 1.4	V1310042
1.4 – 3.25	V1310735
3.25 – 4.0	V1310736

COLD SET PRESSURE SET 0.07 BAR.G HIGHER THAN REQUIRED SET PRESSURE.

ISSUE	DATE	MODIFICATION	MOD. No.
2	09.05.03	ITEM 8, V1210057, ADDED.	4516

CASTINGS ±1/32" OR 0.8MM MACHINE AT ▽ LIMITS UNLESS STATED ±.010" OR 0.25MM

TITLE
MINI VALVE
– CRIMPED RING PULL–

DRG No. 319000247

SEETRU LTD.
ALBION DOCKSIDE WORKS,
HANOVER PLACE,BRISTOL BS1 6UT
ENGLAND

MATL	SEE L.O.P	DRAWN	JCF
FINISH		DATE	18.12.01
		SCALE	1:1

U/O STANDARD VALVE 750082024

ISSUE 2

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ITEM No.	No. OFF	NAME	MATL OR PART No.	
1	1	BODY	BRASS BS2874 CZ132	V0310412
2	1	ADJUSTER	BRASS BS2874 CZ132	V0710211
3	1	PLUNGER	BRASS BS2874 CZ132	V0410145
4	1	NAMEPLATE	ALUMINIUM ALLOY	V1210476
5	1	SPRING	ST.STL.	SEE TABLE
6	1	DISC SEAL	SILICONE	V1410943
7	1	PULL RING	ST.STL.	V1210454
8	1	LOCKING SLUG	NYLON	V1210057

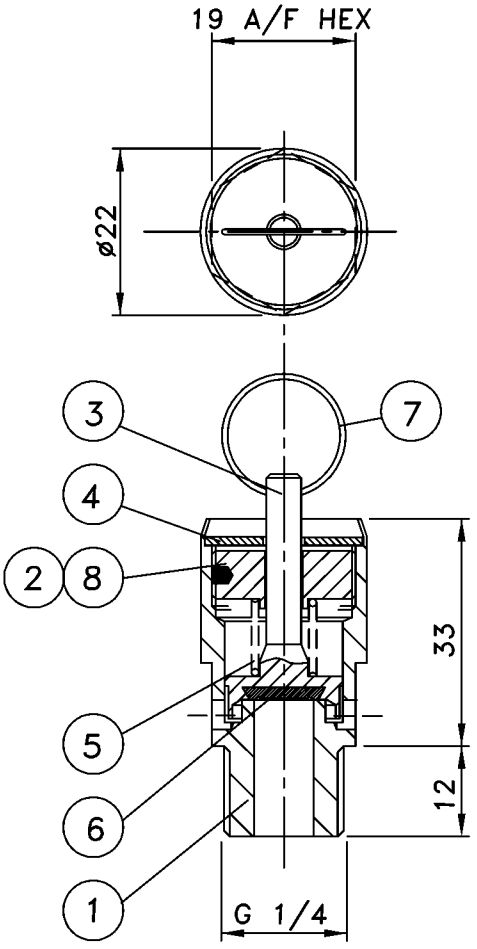


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ISSUE	DATE	MODIFICATION	MOD. No.
2	09.05.03	ITEM 8, V1210057, ADDED.	4516

CASTINGS ±1/32" OR 0.8MM MACHINE AT ▽ LIMITS UNLESS STATED ±.010" OR 0.25MM

TITLE
MINI VALVE
– CRIMPED RING PULL–

DRG No. 319000276

SEETRU LTD.
ALBION DOCKSIDE WORKS,
HANOVER PLACE,BRISTOL BS1 6UT
ENGLAND

MATL SEE L.O.P

FINISH

DRAWN	RNW
DATE	21.01.03
SCALE	1:1

U/O STANDARD VALVE 750082014

ISSUE 2