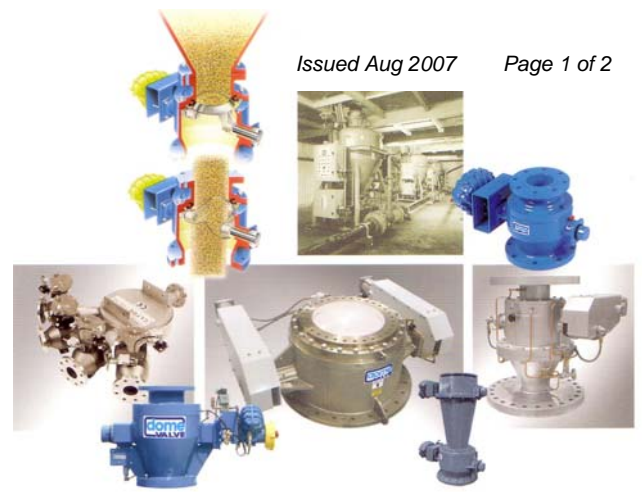


Data Sheet For: Switch Valve



Introduction

The operating efficiency of all Clyde Materials Handling systems relies upon the unique and patented Clyde Dome Valve, currently installed in over 10,000 applications worldwide. Simple in design and low in maintenance, this high performance valve is used throughout a wide range of industries.

In action the Clyde Dome Valve is a pressure tight compressed air operated valve, capable of returning over one million maintenance-free cycles, even in abrasive, hazardous or toxic applications. The fast-closing cut-off valve incorporates a unique inflatable sealing mechanism. This provides the pressure tight seal, against the dome surface when in the closed position.

Options

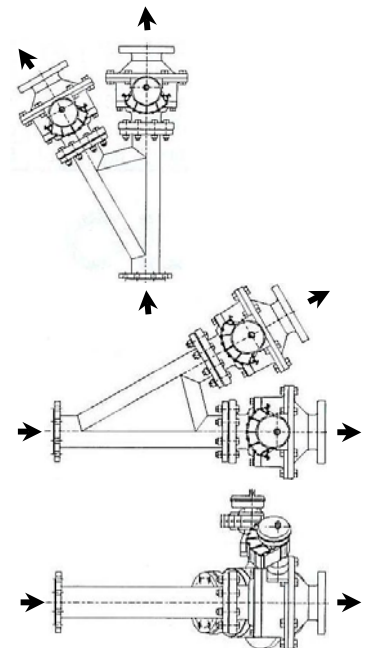
A range of standard and non-standard options are available for the Clyde Dome Valve which are detailed on the Clyde Dome Valve Data Sheet. Switch Valves can be converging or diverging. Three way versions are available also.

Mounting

The Clyde Dome Valve must always be mounted so that the dome is at the top, or as near the top, of the conveying pipe when the valve is open. The valve must be mounted only in the following positions:

Options

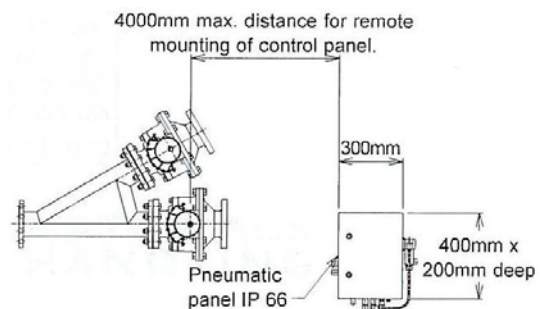
- **Option 1** : Mounted vertically in the conveying line (preferred).
- **Option 2** : Mounted horizontally in the conveying line (preferred).
- **Option 3** : Mounted horizontally in the conveying line with the actuators above the conveying line (non-preferred).



Standard Fabrication

Dome Valve switch valve assemblies supplied complete with Clyde Dome Valves, mild steel. 'Y' branch, pneumatic controls, air supply piping, strainer, filter and control panel ready for connection to isolated air and electric supplies.

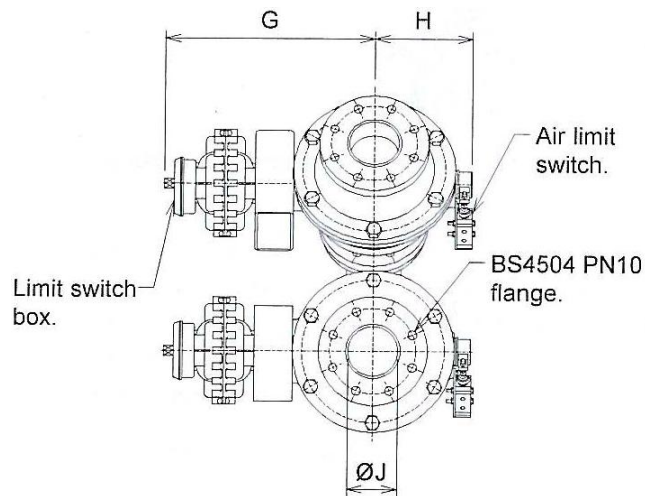
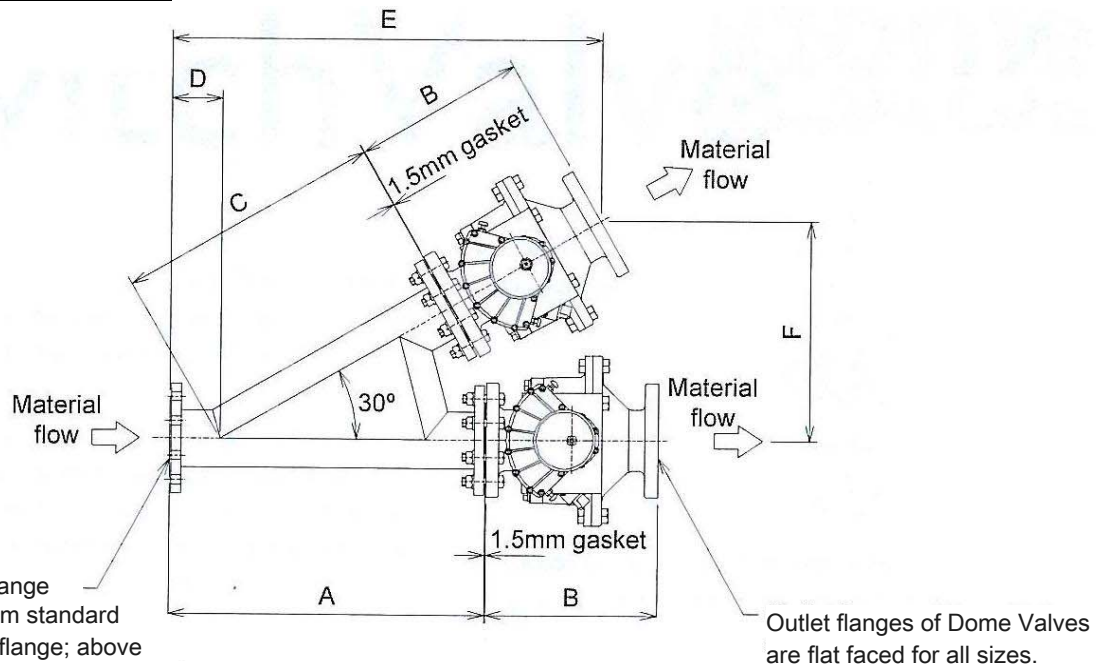
- Air supply pressure : 6 < 7 barg.
- Design pressure : 7 bar.
- Maximum conveying pressure : 4.5 bar.





Data Sheet For:

Clyde Switch Valve



Dimensions – (mm)										
Size	A	B	C	D	E	F	G	H	ØJ	KG
50	580	188	480	100	680	335	293	131	52.5	75
80	600	228	500	100	732	365	340	144	77.9	100
100	630	348	530	100	857	437	440	206	102.3	260
125	820	449	670	150	1120	560	562	265	128.1	500
150	870	449	720	150	1163	585	562	265	154.1	500
175	1340	808	1090	250	1895	950	604	315	177.7	780
200	1000	485	750	250	1319	617	604	315	202.7	800
250	1540	565	1290	250	1855	926	767	396	254.4	1100
300	1500	683	1350	150	1908	1015	805	449	304.9	1500



www.originaldomevalve.com