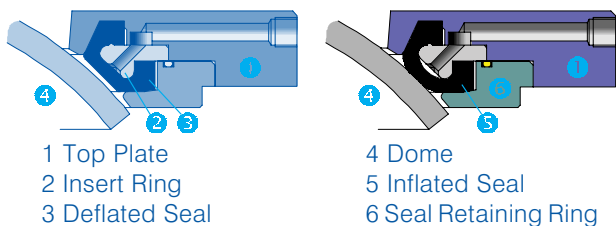


DVE Dome Valve

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.



Inflatable Sealing Mechanism

Before opening, the seal deflates and the dome turns 90°, providing full bore opening for unobstructed material flow.

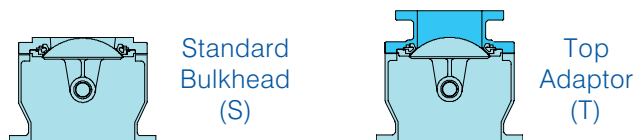
Options

- **Actuator:** Dependant on product size, a choice of Vane or Cylinder actuated models is available on valve sizes greater than 200mm (8"). On smaller models the vane actuator is standard.
- **Customised Manufacture:** Clyde Dome Valves can be customised to meet the special requirements of most applications. Optional quality seals and internal coatings are available, applied to the Dome surface only or to the internal surfaces of the Clyde Dome Valve body or the adaptors.

- **Internal Coating Examples:** Tungsten carbide hard coating for abrasive products, hard chrome facing on dome surface for sticky & abrasive products and reinforced PTFE for food applications / sticky / wet products.
- **Materials of Manufacture:** Cast Iron, SG Iron, Stainless Steel.
- **Temperature Ratings:** -20° to 200°C for the standard Dome Valve. Up to 480°C manufactured to order.
- **Pressure Ratings:** 7 bar maximum pressure on the standard Dome Valve. Up to 30 bar manufactured to order.

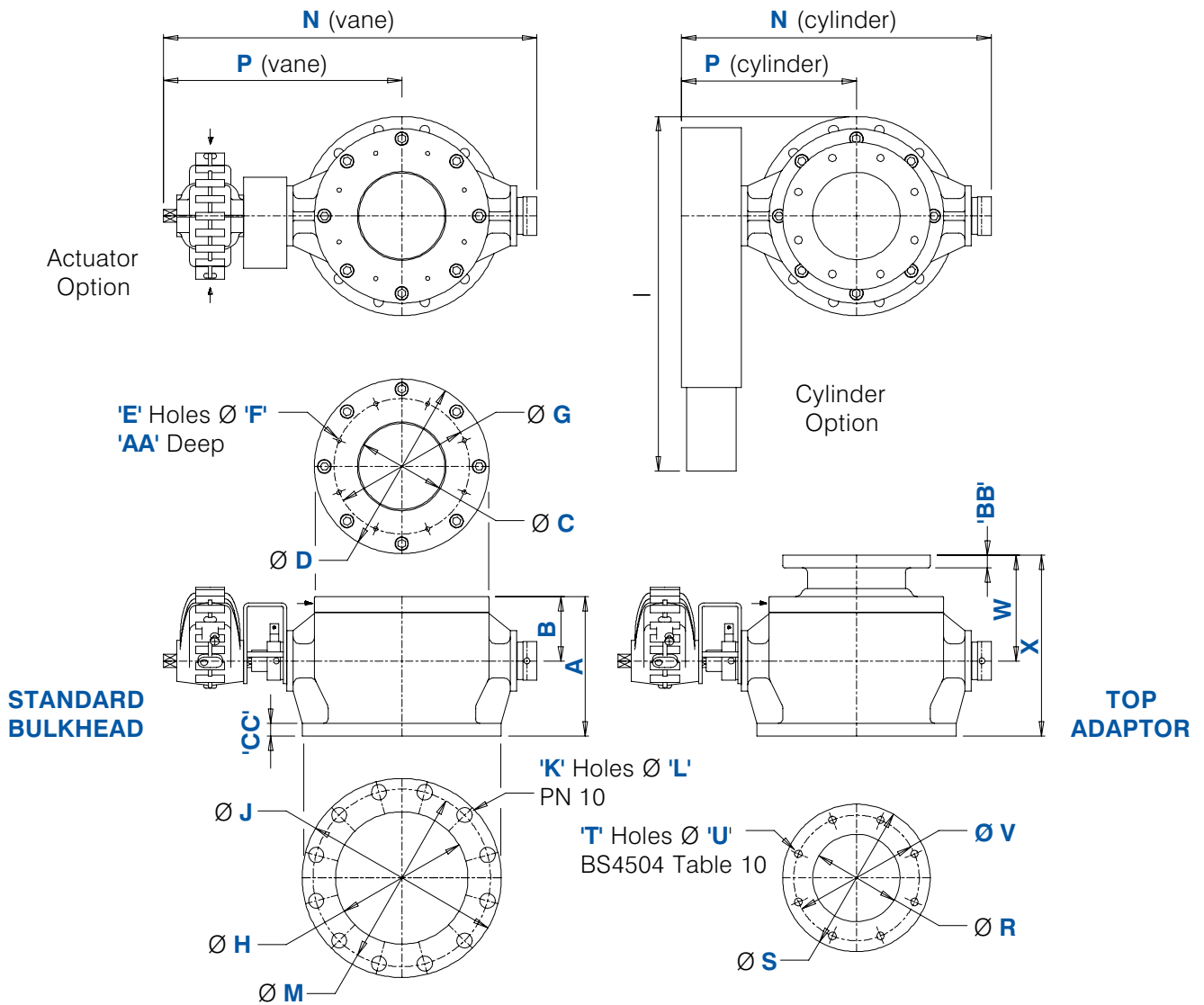
DVE Dome Valve Configurations

The DVE Dome Valve is available in two configurations dependant upon operational requirements.



- **Industry Applications:** The Clyde Dome Valve is suited to applications in a wide range of industries from food to power, pharmaceutical to mineral and plastics to metals. Capable of moving or static column cut off, the valve handles abrasive, cohesive, fine and dry products with equal ease.





DV	A	B	ØC	ØD	E	ØF	ØG	ØH	I	ØJ	K	ØL	ØM	N	N	P	P	ØR	ØS	T	ØU	ØV	W	X	AA	BB	CC	
														(rota)	(vérin)	(rota)	(vérin)											
50	188	74	51	165	4	M16	125	51		165	4	18	125	373		242									23		18	
80	228	90	78	200	8	M16	160	78		200	8	18	160	441		296									23		20	
100	229	97	106	250	4	M12	200	140		279	8	22	240	608		402		103	229	8	18	180	173	305	13	26	25	
150	301	124	157	320	6	M12	260	204		343	8	22	295	778		513		155	285	8	22	240	212	388	16	28	30	
200	307	150	200	406	8	M12	315	290	898	505	16	22	460	870	749	555	436	203	343	8	22	295	247	404	16	30	32	
250																												
300	454	218	300	560	6	M16	410	440	1060	670	20	26	620	1208	1061	763	617	305	483	12	22	400	340	575	25	35	40	
400																												
500																												

Clyde Materials Handling Limited
 Carolina Court, Lakeside
 Doncaster DN4 5RA UK

Tel: +44 (0) 1302 321 313
 Fax: +44 (0) 1302 554 400

solutions@clydematerials.co.uk