



DVS SERIES Core Valve

Ultra High Purity Valves
Diaphragm and Bellows Manifold type





코어밸브(UHP, NPT, PT)

Manifolds Diaphragm and Bellows Valve

DRASTAR Core Valve is an advanced concept of valve that Drastar developed for ultra-high purity specialty gases extensively used in the semiconductor manufacturing line, bulk gas line and other facility lines. Core valves have integrated and improved all the merits of diaphragm valve, bellows valve and needle valve to best work (Drastar Patent #10-1510987).

- Surface finishes to AP or B.A. 25Ra E.P. 10Ra or 5Ra
- Improved for micro and precise adjustment
- Pull and lock device (Drastar' s patent #10-1370537) prevents the knob' s self-turning
- Easy operation
- Applicable for 20bar(290psig) ~ max 750bar(11,000psig)

SPECIFICATIONS

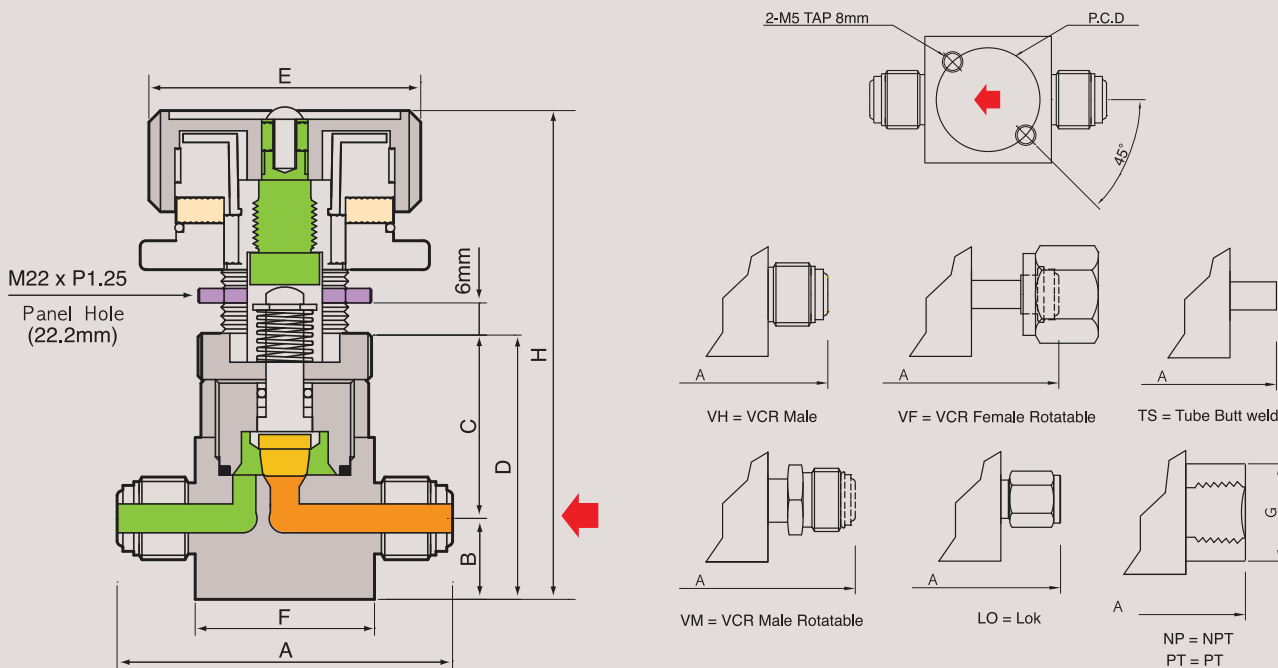
Ports Size	1/4"	1/2"	3/4"
Cv Value	0.4	1.2	2.8
Grade	A.P(Ry ≤ 25μ m), B.A(Ry ≤ 3.0μ m), E.P(Ry ≤ 0.7μ m)		
Seat Material (DISK)	PCTFE / Vespel		
Body Material	Stainless Steel 316L or Stainless Steel 316L Double melt		
Handle Material	Aluminum		
Max. Working Pressure Range	20, 50, 250, 500, 750(Bar)		
Operating Temperature	-40 ° c + 70° c Standard, +250° c, +500° c Optional		

REFERENCE

Contents in the catalogue including specifications, performance data, etc. can be changed without prior notice in the course of continuous upgrading and improvement of the products.

INSTALLATION DIMENSIONS

METEIC EQUIVALENTS ARE IN PARENTHESES



ORDERING INFORMATION

DV - S - 020 - VH - AP - 4

BASIS SERIES NUMBER	BODY MATERIAL	WORKING PRESSURE	CONNECTION			BODY POLISHING	BODY SIZE
20, 50bar PCTFE	S-ST316L Single melt	020 - 20bar 050 - 50bar	VH = VCR Male VM = VCR Male Rotatable			AP = A,P (Ry≤25μm) Machining Finish	4 = 1/4" 8 = 3/8"
250, 500 750bar Vespel	D-ST316L Double melt	250 - 250bar 500 - 500bar 700 - 700bar	VF = VCR Female Rotatable TS = Tube Butt weld LO = Lok NP = NPT PT = PT			BA = B,A (Ry≤30μm) Machining Finish EP = E,P (Ry≤0,7μm) Electro Polishing Finish	2 = 1/2" 3 = 3/4"
	Orifice	1/4"	3/8"	1/2"	3/4"		
		0.3	0.3	0.7	0.7		
		4.5mm		7.0mm	7.0mm		

STANDARD MODEL SERIES

MODEL	SIZE	A	B	C	D	E	F	G	H	P.C.D
VH=VCR Male	1/4"	58	14	33.5	47.5	45	31	-	87	25.4
	1/2"	A	16	C	D	45	38	-	H	28
	3/4"	A	22	C	D	45	-	-	H	28
VM=VCR Male Rotatable	1/4"	70.5	14	33.5	47.5	45	31	-	87	25.4
	1/2"	A	16	C	D	45	38	-	H	28
	3/4"	A	22	C	D	45	-	-	H	28
VF=VCR Female Rotatable	1/4"	77.8	14	33.5	47.5	45	31	-	87	25.4
	1/2"	A	16	C	D	45	38	-	H	28
	3/4"	A	22	C	D	45	-	-	H	28
TS=Tube Butt wide	1/4"	40	14	33.5	47.5	45	31	6.25	87	25.4
	1/2"	A	16	C	D	45	38	12.7	H	28
	3/4"	A	22	C	D	45	-	19.05	H	28
LO=Lok	1/4"	66	14	33.5	47.5	45	31	-	87	25.4
	1/2"	A	16	C	D	45	38	-	H	28
	3/4"	A	22	C	D	45	-	-	H	28
NP=NPT PT=PT	1/4"	58	14	33.5	47.5	45	31	22	87	25.4
	1/2"	A	16	C	D	45	38	-	H	28
	3/4"	A	22	C	D	45	-	-	H	28

