

Diaphragm Valve Ordering Information and Configuration Schedules

HC4 Diaphragm Valves

Figure Number System:

Diverter Only	Size	Body Type	End Type	Options	Material	Polish	Topworks	Accessories	Diaphragm	Orientation Code	
10	1	2	3	4	5	6	7	7A	8	*	9

Schedule 1: Sizes		Schedule 2: Body Types		Schedule 3: End Connections	
Standard Sizes	BioSeal Sizes	Ordering Code	Description	Ordering Code	Description
0.50"	0.25"	7	Forged (Std. Bodies)	0	Standard Triclam
0.75"	0.38"	8	Cast (Available in SFV3 Finish only)	3	14ga. 0.083" Wall Tube (Std. for 4.00" Valves)
1.00"	0.50"	9	BioSeal Bodies	4	Male Threaded NPT
1.50"		B	Block Bodies Machined from Bar or Billet	5	SCH 5 Pipe
2.00"				7	20ga. 0.035" Wall Tube
2.50"				8	16ga. 0.065" Wall Tube (Std. for 0.50" - 3.00" Valves)
3.00"				9	18ga. 0.049" Wall Tube (Std. for 0.25" - 0.38" BioSeal)
4.00"				A	SCH 10 Pipe
6.00"				B	SCH 40 Pipe
				C	Combination Ends (ie: Std. Butt weld/Hygienic Clamp)
				F	Female Threaded NPT
				G	150# ANSI Flange
				H	12ga. 0.102" Wall Tube (Std. for 6.00" Valves)
				X	Special

Schedule 4: Options		Schedule 5: Materials		Schedule 6: Surface Finish	
Ordering Code	Description	Ordering Code	Description	Ordering Code	Description
0	Standard	6	316L-Forged 1.4435*	1	SFV7-10Ra Max Mech/EP
A	Valve/Valve Access Assy	A	AL6XN	2	SFV5-20Ra Max Mech/EP
C	Close Coupled Branch Valve	H	Hastelloy	3	SFV3-30Ra Max Mech
E	Tube Extensions	T	Titanium	5	SFV2-25Ra Max Mech
F	Valve/Fitting Access Assy			6	SFV6-25Ra Max Mech/EP
T	ZDT Forged Valve			7	SFV1-20Ra Max Mech
U	Close Coupled Branch Valve "U-Bend"			8	SFV4-15Ra Max Mech/EP
V	Tank Bottom/Weld Flange			X	Special
W	Tank Bottom/Bolt Flange				
X	Special				

*Controlled Sulfur Butt weld Bodies (0.25"-3.00") ASME BPE Compliant W/0.005-0.017% Sulfur Content

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HC4/U02/01/01.01U

Schedule 7: Topworks		Schedule 8: Diaphragms	
<i>Standard Sizes: 0.50" - 6.00"</i>		<i>Standard Sizes: 0.50" - 6.00"</i>	
Ordering Code	Description	Ordering Code	Description
11	Iron Manual Bonnet	D	Butyl Rubber (300)
18	Stainless Steel-2 "O" Ring Seals	E2	Black EPM, FDA (425) Peroxide Cured
18A	Stainless Steel-2 "O" Ring Seals (3A)	E3	Black EPM, FDA (425) Peroxide Cured, Post Cured
36	Stainless Steel Non-Corroding Internals	P2	PTFE/EPM Backed, FDA (214/425)
36A	Stainless Steel Non-Corroding Internals (3A)	P3	PTFE/Viton Backed, FDA (214/226)
50	Black PES Sealed Manual Bonnet	P3S	PTFE/Viton Backed, FDA (214S/226) Steam Grade
59	PARA Polymer Bonnet-Rubber Diaphragm (0.50"-2.00")	S5	PTFE/EPM Backed, FDA (214S/425) Steam Grade
60	PARA Polymer Bonnet-PTFE Diaphragm (0.50"-2.00")	SI	Silicone, FDA (500)
C41-C44	Double Acting Actuator	<i>BioSeal Sizes: 0.25", 0.38", 0.50"</i>	
C51-C54	Spring to Close Actuator	Ordering Code	Description
C61-C64	Spring to Open Actuator	BS6	PTFE/EPM Backed, FDA (214S/425C) Steam Grade, Threaded
EC4	Double Acting EC Actuator (0.50"-2.00")	BSIT	Silicone, FDA (500) Threaded
ECX4	Double Acting ECX Actuator (2.50"-6.00")	BE8	Black EPM, FDA (425C) Peroxide Cured, Threaded
EC5	Spring to Close EC Actuator (0.50"-2.00")	BE9	Black EPM, FDA (E3C) Peroxide Cured, Post Cured, Threaded
ECX5	Spring to Close ECX Actuator (2.50"-6.00")		
EC6	Spring to Open EC Actuator (0.50"-2.00")	Schedule 9: Access Assy Orientation Codes	
ECX6	Spring to Open ECX Actuator (2.50"-6.00")	Ordering Code	Description
SSC4	Double Acting Stainless Steel EC Actuator (0.50"-2.00")	A01-A28	Valve/Valve Access Assemblies
SSC5	Spring to Close Stainless Steel EC Actuator (0.50"-2.00")	F29-F34	Valve/Fitting Access Assemblies
SSC6	Spring to Open Stainless Steel EC Actuator (0.50"-2.00")		
<i>BioSeal Sizes: 0.25", 0.38", 0.50"</i>		Schedule 10: Diverter Codes	
Ordering Code	Description	Ordering Code	Description
B29T	Polyphenylene Sulphone (PPS) Manual Bonnet Threaded	D2	2 Way (1 Inlet - 2 Outlets)
B36T	Stainless Steel Manual Bonnet Threaded	D3	3 Way (1 Inlet - 3 Outlets)
BEC4T	Double Acting EC Actuator Threaded	D4	4 Way (1 Inlet - 4 Outlets)
BEC5T	Spring to Close EC Actuator Threaded	D5	5 Way (1 Inlet - 5 Outlets)
BEC6T	Spring to Open EC Actuator Threaded		
BES4T	Double Acting Stainless Steel EC Actuator Threaded	Schedule 7A: Topworks Accessories	
BES5T	Spring to Close Stainless Steel EC Actuator Threaded	<i>Bonnet & Actuator Accessories</i>	
BES6T	Spring to Open Stainless Steel EC Actuator Threaded	Ordering Code	Description
		/W	Weep Holes
		/V	Vent Plug
		/LK	Locking Kit
		/LOS	Limit Open Stop
		/LCS	Limit Close Stop
		/3A	3A Version
<i>Actuator Accessories</i>			
Ordering Code	Description		
/ENM12	Opti-Set Switch Package (Mech Type (2) SPDT)		
/ENP92	Opti-Set Switch Package (Prox Type (2) NPN/PNP)		
/MK4	Mark IV Switch Package		
/MK12	Mark 12 SST Switch Package		
/P9	Mark IV Proximity Switch		
/S	Slotted Version		
/60	60# Spring Option		

