

# Ordering Information

Effective October 1, 2020



**Example: 04-1DA-12DRTG-HOK:**

4" Lugged DDES Style Class 150 Carbon Body, 316 SS Disc, 17-4PH DHT SS Stem, RTFE Seat, TFE Pkg, Glass Backed TFE Bearing, Handle Operated

1. Size	Code	6. Disc Material	Code	11. Actuator Type	Code
2"	02	316 SS	2	Bare Shaft	B
2 1/2"	025	Monel®	3	Worm Gear w/2" Square Nut & Handwheel	D
3"	03	Alum Bronze B148 ASTM C958	8	Ratchet Handle	H
4"	04	316 SS/ENP	9	Throttle	T
to		Monel®/ENP	M	Worm Gear	3
48"	48			Worm Gear (4-way keyed)	9
				Pneumatic Double Acting	4
				Pneumatic SR Fail Close	5
				Pneumatic SR Fail Open	6
				Hydraulic	7
				Electric	8
2. Body Class	Code	7. Shaft Material	Code	12. Special Feature	Code
150 PSI Max. Diff. Pressure	0	17-4PH DHT SS	D	None	O
ASME 150	1	316 SS <sup>1</sup>	2	Oxygen Service	A
ASME 300	3	Monel®	3	Chlorine Service	C
ASME 600	6			CE Marked Non-Impact Tested <sup>3</sup>	PN
				CE Marked Impact tested <sup>3</sup>	PI
				CE Marked NON-Impact Tested	VN
				w/ Vacuum Service <sup>3</sup>	
				CE Marked Impact Tested	VI
				w/ Vacuum Service <sup>3</sup>	
				Silicone Free	G
				Epoxy Coated Body	H
				Chainwheel	J
				Stem Extension	K
				Lockable Gear	L
				NACE Construction <sup>5</sup>	N
				NACE Construction	NN
				w/CE Marked NON-Impact Tested <sup>3,5</sup>	
				NACE Construction	NI
				w/CE Marked Impact Tested <sup>3,5</sup>	
				Buried Service	R
				Drill Through Lugs	T
				Drill Through Lugs and NACE Construction	TN
				Vacuum Service	V
3. Body Type	Code	8. Seat Material / O-Ring	Code	13. Series	Code
Wafer	W	TFE / Viton® <sup>4</sup>	T	*Factory Assigned	J
Lugged	L	RTFE / Silicone <sup>5</sup>	R	*Factory Assigned (This pertains to 3", 4", 6", 8", 10", & 12" Class 150 Soft Seat Valves)	K
Lugged DDES <sup>2</sup>	D	RTFE / Viton® <sup>4</sup>	P		
		Polyethylene (UHMWPE) / Viton® <sup>4</sup>	L		
		Fire-Flow (TFE & Inconel®) / Viton® <sup>4</sup>	F		
		Fire-Flow (RTFE & Inconel®) / Viton® <sup>4</sup>	A		
		Fire-Flow (RTFE & Inconel®) / Silicone	B		
4. Shaft Design	Code	9. Packing Material	Code		
Straight	A	TFE	T		
ASME 150 2" - 12"		Graphite	G		
ASME 150 36" - 48"		Fire-Flow	F		
ASME 300 2" - 12" & 30"		Live-Load Packing/TFE	A		
ASME 600 2" - 8"		Live-Load Packing/Graphite	B		
Balanced	C	Live-Load Packing/Fire-Flow	C		
ASME Class 150 14" - 30"		EF Seal (Viton® O-Rings)/TFE (Low Emissions)	D		
De-rated 150** 36" - 48"					
ASME 300 14" - 24"					
ASME 600 10" - 16"					
5. Body Material	Code	10. Bearing Material	Code		
Carbon Steel	1	Glass Backed TFE	G		
316 SS	2	316 SS Backed TFE	H		
Alum Bronze	5	Fire-Flow (Garfil & 316 SS)	F		
Aluminum Bronze B148 ASTM C958	8	Stainless Steel Nitrided	S		
		Bronze	B		
		Monel®	K		

**FLOWSEAL ACTUATOR OPTIONS:**

**Hydraulic Actuator:**

- Customer specified hydraulic actuator

**Pneumatic Actuators:**

- Crane Air spring return pneumatic actuator
- Crane Air double acting pneumatic actuator
- Customer specified pneumatic actuator

**Electric Actuators:**

- Series 44000 electric actuator
- Customer specified electric actuator

**Note<sup>1</sup>** Shaft materials other than 17-4 PH or Monel® will affect working pressure ratings. Please consult factory.

**Note<sup>2</sup>** DDES = Double Dead End Service.

**Note<sup>3</sup>** For CE marked valves, see Body Rating chart in the Flowseal technical datasheet, as temp ranges can vary per material.

**Note<sup>4</sup>** Viton® O-Ring is recommended for use in Hydrocarbon and NACE service.

**Note<sup>5</sup>** RTFE/Silicone combination is not to be used with "NACE" valves.

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