



Score Energy Products Inc. – TRICENTRIC® VALVE BI-DIRECTIONAL MODEL - NUMBERING SYSTEM

VALVE BODY						INTERNAL COMPONENTS					ADDITIONAL FEATURES	OPERATOR
PRESSURE RATING	VALVE SIZE	VALVE STYLE	FLANGE STANDARD	BODY MATERIAL	SEAT MATERIAL	DISC MATERIAL	SEAL RING MATERIAL	BEARING MATERIAL	SHAFT MATERIAL	PACKING MATERIAL		
BODY	TRIM	BODY	TRIM									

Standard valves: Standard materials of construction are noted in bold print; Temperature range, WCB -20 F to 750 F, CF8M -325 F to 1000 F.

<p>PRESSURE RATING (2 digits) BODY (1 digit) 1= 150 ASME 3= 300 ASME 6= 600 ASME 9= 900 ASME</p> <p>VALVE SIZE (4 digits) Indicates nominal valve size in inches. Standard sizes: BODY (2 digits) 03, 04, 06, 08, 10, 12, 14, 16, 18, 20, 24, 30, 36, 42, 48, 54, 60, 64, 72, 84</p> <p>VALVE STYLE (1 digit) A = Plain wafer B = Lugged wafer C = Double flanged ISO 5752 face to face D = Double flanged ASME B16.10 face to face E = Butt weld (cast only) X = Other</p> <p>FLANGE STANDARD (1 digit) A = ASME B16.5 (3" to 24") B = ASME B16.47 Series A (26" to 60") C = ASME B16.47 Series B (26" to 60") X = Other</p> <p>BODY (1 digit) A = A216 Gr. WCB B = A351 Gr. CF8M C = A352 Gr. LCB D = A352 Gr. LCC E = A217 Gr. C5 Chrome - Moly F = A217 Gr. WC6 G = Duplex CD4MCu H = A351 Gr. CN7M Alloy 20 J = A494 Gr. CY40 (Inconel 600) K = A494 Gr. CW2M Hastelloy C L = A494 Gr. M-30-C Monel M = B148 Gr. C95500 Nickel - Aluminum - Bronze N = Grade 2 Titanium X = Other</p> <p>SEAT MATERIAL (1 digit) A = 316L SST B = Integral w/body C = Stellite 21 D = Stellite 6 X = Other</p>	<p>DISC (1 digit) A = A216 Gr. WCB B = A351 Gr. CF8M C = A352 Gr. LCB D = A352 Gr. LCC E = A217 Gr. C5 Chrome - Moly F = A217 Gr. WC6 G = Duplex CD4MCu H = A351 Gr. CN7M Alloy 20 J = A494 Gr. CY40 (Inconel 600) K = A494 Gr. CW2M Hastelloy C L = A494 Gr. M-30-C Monel M = B148 Gr. C95500 Nickel - Aluminum - Bronze N = Grade 2 Titanium X = Other</p> <p>SEAL RING (2 digits) First Digit-METAL LAMINATION A = Duplex 2205 B = 316 SST C = Alloy 20 D = Inconel 600 E = Hastelloy C 276 F = Monel 400 G = Titanium H = Stellite 21 J = Stellite 6 X = Other</p> <p>BEARING (1 digit) A = 316 stainless hard surfaced B = Carbon graphite C = Nitronic 60 D = Duplex 2205 hard surfaced E = Alloy 20 hard surfaced F = Inconel 600 hard surfaced G = Hastelloy C-276 hard surfaced H = Monel 400 hard surfaced J = Titanium hard surfaced K = Stellite 21 L = Stellite 6 X = Other</p> <p>SHAFT (1 digit) A = 17.4 PH DH 1150 B = 316 SST C = Duplex 2205 D = Alloy 20 E = Inconel 600 F = Inconel 625 G = Inconel 718 H = Hastelloy C-276 J = Monel K500 K = Titanium Grade 5 X = Other</p>	<p>PACKING (1 digit) A = Graphite (Die-formed ribbon with braided reinforced end rings- corrosion inhibited) B = PTFE Teflon Chevron Type (< 1000 psig) C = PTFE Teflon/ 316SST Chevron Type(>1000 psig) D = PTFE Teflon braided E = Graphite low emission (500 ppm) X = Other</p> <p>ADDITIONAL FEATURES (As many digits as required, list as required in alphabetical order. Section is omitted if no additional features apply to the particular design) A = Low Temperature service (-325 F to -20 F) B = High Temperature service (750 F to 1000 F) C = High Temperature service (1000 to 1200 F) D = Cryogenic extension - standard length: 12" for 3" to 8" valves - standard length: 18" for 10" and larger valves - optional lengths available in 2" increments E = Heat Extension - standard length: 12" for 3" to 8" valves - standard length: 18" for 10" valves and larger - optional lengths available in 2" increments F = Steam jacket G = Live loaded packing H = Steam traced shaft I = Steam traced disc J = Bearing lube purge K = Packing lube L = Packing bleed M = Block & Bleed seal N = Weir Specification P-71-25 O = NDE Cat. I - Hardness P = NDE Cat. II - Hardness and MT / PT Q = NDE Cat. III - Hardness and MT / PT, spot RT R = NDE Cat. IV - Hardness and MT / PT, full RT S = Extended bracket (standard 3-8" valves - 4"; 10" valves and larger - 8") T = Degreasing X = Other special feature:</p> <p>OPERATOR (1 digit) A = Actuator B = Bare stem C = Mounting of customer supplied actuator G = Manual gear w / handwheel (standard MG Series) H = Manual gear w / handwheel (optional DG Series - Internal use only)</p>
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- Score Energy Products may substitute equivalent wrought material.
- Design is subject to change without notice. Consult Score Energy Products for confirmation of products and/or materials availability.

For example valve with a model number 111212AAA_A-B_BABAA-B would be ASME CL 150 valve body and trim with size 12" body and trim, plain wafer style, with ASME B16.5 flanges, A216 Gr. WCB body and A351 CF8M disc, with 316 SST seal ring, carbon graphite bearings, 17.4 ph DH1150 shaft and graphite packing. No gear operator or actuator would be included with this valve.