Score Energy Products, Inc. - TRICENTRIC[7] Valve Model Numbering System - April 30, 2003

VALVE BODY							INTERNAL COMPONENTS							ADDITIONAL FEATURES		OPERATOR
ANSI CLASS		VALVE SIZE		TYPE	MATERIAL		DISC MATERIAL	SEAL STACK LAMINATION	SEAL STACK MATERIAL	BEARING MATERIAL	SHAFT MATERIAL	PACKING MATERIAL/STYLE		SEE LIST BELOW; SECTION OMITTED IF NO ADDITIONAL FEATURES		OPERATOR
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Standard valves: Features noted in bold italic print are standard design. Where the standard design differs between CL150 and CL300, this is noted by 3 asterisks (***) for CL150 and 4 asterisks (****) for CL300/600.

NOTES
* - or equivalent
** - Score standard
*** - Score standard for CL150
**** - Score standard for CL300, CL600

ANSI CLASS (2 digits)
15 = 150
30 = 300
60 = 600
31 = 300 x 150
61 = 600 x 150
63 = 600 x 300
96 = 900 x 600
93 = 900 x 300
XX = Other

VALVE SIZE (2 digits)
Indicates nominal valve size in inches. Reduced-port valves indicate size of internals assuming the external dimensions to be one size larger (12 refers to 14 x 12).
Typical sizes:
03 04 06 08 10 12 14 16 18 20 24 30
36 42 48 54 60 64 72 84

TYPE (1 digit)
B = Buttweld (cast only)
D = Double-flange
L = Lugged wafer
R = Reduced port wafer
S = Reduced port lug wafer
T = Reduced port double flanged
W = Plain wafer
X = Other

BODY MATERIAL (1 digit)
A = A216 Gr. WCB* w/ 316L SST seat
B = A352 Gr. LCB* w/ 316L SST seat
C = A351 Gr. CF8M* - integral seat
D = A494 Gr. M-30-C Monel* - integral seat
E = B148 Gr. C95500 Nickel-Aluminum-Bronze* - Integral seat
F = A494 Gr. CW2M Hastelloy C* - integral seat
G = A351 Gr. CN7M Alloy 20* w/ integral seat
H = A352 Gr. LCC* w/ 316L SST
J = Grade 2 Titanium
K = A216 Gr. WCB* w/ Stellite #21 seat
L = A352 Gr. LCB* w/ Stellite #21 seat
M = A351 Gr. CF8M* w/ Stellite #21 seat
N = Duplex
P = A217 Gr. C5 Chrome-Moly
S = A217 Gr. WC6 w/ 316L SST seat
X = material not listed above

DISC (1 digit)
A = A216 Gr. WCB*
B = A352 Gr. LCB*
C = A351 Gr. CF8M*
D = A494 Gr. M-30-C Monel*
E = B148 Gr. C95500 Nickel-Aluminum-Bronze*
F = A494 Gr. CW2M Hastelloy C
G = A351 Gr. CN7M Alloy 20*
H = A352 Gr. LCC*
J = Grade 2 Titanium*
N = Duplex
P = A217 Gr. C5 Chrome-Moly
S = A217 Gr. WC6
X = Other

SEAL STACK (2 digits)
First digit - Lamination
G = Grafoil laminated**
K = Klingersil C4401 laminated
S = Solid
X = Other lamination

Second digit - Material
1 = 316 SST**
2 = Monel 400
3 = Inconnel 600
4 = Duplex
X = Other

BEARING (1 digit)
1 = Carbon Metcar M10 or Speer Grade H**
2 = Nitronic 60***
X = Other

SHAFT (1 digit)
1 = 17.4 PH DH1150**
2 = 17.4 PH H1025
(Full-rated CL150 30"+ valves - non-NACE compliant)
3 = 316 SST
4 = Duplex
5 = Monel K500
6 = Titanium Grade 5
7 = Alloy 20
8 = Inconnel
X = Other

PACKING (1 digit)
1 = Grafoil**
(Die-formed & Inconnel braided combination)
2 = PTFE Teflon Chevron type
3 = PTFE Teflon braided
4 = Grafoil Low Emission
X = Other

ADDITIONAL FEATURES (As many digits as required; list as required in alphabetical order)
B = Bearing seals
C = Cryogenic extension
(Does NOT include degreasing)
D = Degreased for Oxygen service
H = Heat extension
J = Steam jacket
L = Live loaded packing
N = NACE MR0175 2002 (wetted components)
P = Special paint, plating or coating
S = Secondary cover plate seal
(GHE Grafoil gasket in addition to metal O ring)
T = Steam-traced shaft
X = Other special feature

OPERATOR (1 digit)
A = Actuator
B = Bare stem
G = Manual gear w/ hand wheel

For example, valve with model number **1512WA-AG1111-BLS**-B would be a 12" ANSI Class 150 valve with A216 Gr. WCB body and disc, 316SST/Grafoil laminated seal stack, carbon bearings with bearing seals, 17-4 PH DH1150 shaft, Grafoil live-loaded packing and a secondary cover plate seal; no gear operator or actuator would be included.