

North America Valve Model Numbering System and Codes



Saunders[®] Aseptic Diaphragm Valves

CRANE[®]

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Valve Model Numbering System

Two-Way Valves

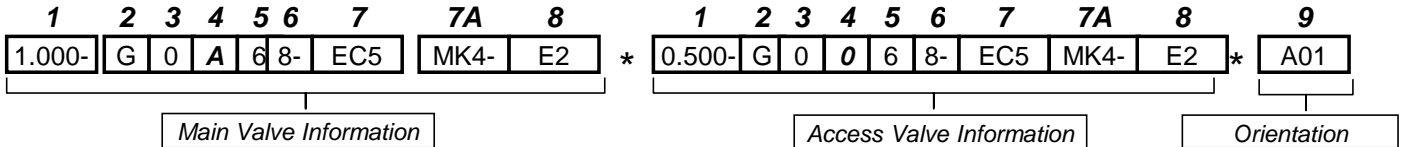
Schedule (Page 3):

1 2 3 4 5 6 7 7A 8

Code Example: 1.000- G 0 0 6 8- EC5 MK4- E2



Two-Way Valve/Valve Access Assembly



Two-Way Valve/Fitting Access Assembly

1 2 3 4 5 6 7 7A 8 1 3 9
 1.000 G 0 F 6 8- EC5 MK4- E2 * 0.500- 0 * F33

Zero DeadLeg (ZDT) Forged Valve

1 2 3 4 5 6 7 7A 8 1 3 3
 1.000- B 0 T 6 8- EC5 MK4- E2 * 1.000- 0 0



Close-Coupled Branch (CCB) Valve

1 2 3 4 5 6 7 7A 8 1 3 3
 1.000- B 0 C 6 8- EC5 MK4- E2 * 2.000- 0 0

Close-Coupled Use-Point (U-Bend) Valve

1 2 3 4 5 6 7 7A 8 1 3 3
 1.000- B 0 U 6 8- EC5 MK4- E2 * 2.000- 0 0

Tank Bottom Valve-Weld Flange

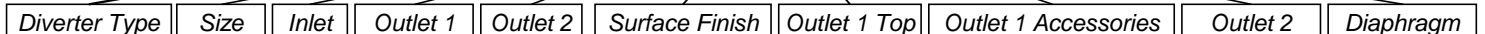
1 2 3 4 5 6 7 7A 8
 1.000- B 0 V 6 8- EC5 MK4- E2

Tank Bottom Valve-Bolt Flange

1 2 3 4 5 6 7 7A 8
 1.000- B 0 W 6 8- EC5 MK4- E2

Diverter Valve

10 1 3 3 3 6 7 7A 7 8
 D2- 1.000- 0/ 0/ 0- 8- EC5 MK4- 50- E2



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Valve Model Number Code Schedule

<p>Schedule 1 - Sizes: Standard Sizes: 0.500 0.750 1.000 1.500 2.000 2.500 3.000 4.000 6.000 BioSeal Sizes: 0.250 0.375 0.500</p>	<p>Schedule 2 - Body Types: G = Forged (MKIII BPE Compliant Body) P = Forged (MKIII BioSeal ASME BPE Compliant Body) B = Machined from bar or billet Note: BioBlock part numbering and configuration covered in the Saunders BioBlock Manual.</p>	<p>Schedule 3 - End Types: 0 = Standard Hygienic Clamp 1 = Type A Hygienic Clamp ASME BPE Type "A" Ferrule (note 1.00" size only) 3 = 14ga. 0.083" Wall (Standard for 4.000" Valves) 5 = SCH 5 Pipe 7 = 20ga. 0.035" Wall 8 = 16ga. 0.065" Wall (Std for 0.500-3.000" Valves) 9 = 18ga. 0.049" Wall (Std for 0.25"-0.38" BioSeal) C = Combination-Standard ButtWeld /Hygienic Clamp X = Special A = SCH 10 Pipe B = SCH 40 Pipe H = 12ga. 0.102" Wall (Standard for 6.000" Valves) 4 = Male Threaded NPT F = Female Threaded FNPT G = 150# ANSI Flange</p>	<p>Schedule 4 - Options: O = Standard A = Valve/Valve Access Assembly C = Close Coupled Branch Valve E = Tube Extensions F = Valve/Fitting Access Assembly T = ZDT Forged Valve U = Close Coupled Branch Valve "U-Bend" V = Tank Bottom Weld Flange W = Tank Bottom Bolt Flange X = Special</p>	<p>Schedule 5 - Material: 6 = 316L ASTM A-182, DIN 1.4435 with controlled sulfur (.005% - 0.17%) PER ASME BPE 2009 H = Hastelloy C22 T = Titanium A = AL6XN</p>	<p>Schedule 6 - Surface Finish 7 = 20Ra Max Mech ASME BPE SF1 5 = 25Ra Max Mech ASME BPE SF2 3 = 30Ra Max Mech ASME BPE SF3 1 = 10Ra Max Mech/EP 8 = 15Ra Max Mech/EP ASME BPE SF4 2 = 20Ra Max Mech/EP ASME BPE SF5 6 = 25Ra Max Mech/EP ASME BPE SF6 X = Special</p>
<p>Schedule 7 - Topworks: (Sizes 0.500-6.000) Note: For Teflon diaphragm applications, add a "P" to specify the correct compressor. ie: 36P. 18 = Stainless Steel Manual Bonnet, 2 "O" Ring Seals 18A = Stainless Steel Manual Bonnet, 2 "O" Ring Seals (3A) 18T = Stainless Steel Manual Bonnet, 2 "O" Ring Seals, Thread Compressor (0.500-0.750") 36 = Stainless Steel Manual Bonnet, Non-Corroding Internals 36A = Stainless Steel Manual Bonnet, Non-Corroding Internals (3A) 36T = Stainless Steel Manual Bonnet, Non Corroding Internals, Thread Comp (0.500-0.750") 50 = Black PES Sealed Manual Bonnet 50T = Black PES Sealed Manual Bonnet, Threaded Compressor (0.500-0.750") 59 = PARA Polymer Manual Bonnet-Rubber Diaphragm (0.500-2.00") 60 = PARA Polymer Manual Bonnet - PTFE Diaphragm (0.500-2.00") 61 = PARA Polymer Manual Bonnet, Threaded Compressor (0.500-0.750") EC4 = Double Acting EC Actuator (0.500-2.000") EC4T = Double Acting EC Actuator, Thread Comp (0.500-0.750") ECX4 = Double Acting ECX Actuator (2.500-6.000") EC5 = Spring to Close EC Actuator (0.500-2.000") EC5T = Spring to Close EC Actuator, Thread Comp (0.500-0.750") ECX5* = Spring to Close ECX Actuator (2.500-6.000") EC6 = Spring to Open EC Actuator (0.500-2.000") EC6T = Spring to Open EC Actuator, Thread Comp (0.500-0.750") ECX6 = Spring to Open ECX Actuator (2.500-6.000) SLR5 = S360 Lite Actuator, Spring to Close, Thread Comp, Flanged Base (0.250-2.000") SLT5 = S360 Lite Actuator ,Spring to Close, PTFE, Flanged Base (0.250-2.000") SPR5 = S360 Power Actuator, Spring to Close, Thread Comp, Flanged Base (0.250-2.000") SPT5 = S360 Power Actuator, Spring to Close, PTFE, Flanged Base (0.250-2.000") SPR6 = S360 Actuator, Spring to Open, Thread Comp, Flanged Base (0.250-2.000") SPT6 = S360 Actuator, Spring to Open, PTFE, Flanged Base (0.250-2.000") SPT4 = S360 Actuator, Double Acting, Thread Comp, Flanged Base (0.250-2.000") SPT4S = S360 Actuator, Double Acting, PTFE, Flanged Base (0.250-2.000") SLR5S = S360 Lite Actuator, Spring to Close, Thread Comp, Shrouded Base (0.250-2.000") SLT5S = S360 Lite Actuator, Spring to Close, PTFE, Shrouded Base (0.250-2.000") SPR5S = S360 Power Actuator, Spring to Close, Thread Comp, Shrouded Base (0.250-2.000") SPT5S = S360 Power Actuator, Spring to Close, PTFE, Shrouded Base (0.250-2.000") SPR6S = S360 Actuator, Spring to Open, Thread Comp Shrouded Base (0.250-2.000") SPT6S = S360 Actuator, Spring to Open, PTFE, Shrouded Base (0.250-2.000") SPR4S = S360 Actuator, Double Acting, Thread Comp, Shrouded Base (0.250-2.000") SPT4S = S360 Actuator, Double Acting, PTFE, Shrouded Base (0.250-2.000") *ECX5 Actuators must be sized with appropriate spring pack for service conditions.</p> <p>(BioSeal Sizes 0.250, 0.375, & 0.500") S360 Actuators (See Above) BEC4T = Double Acting EC Actuator, Threaded Compressor BEC5T = Spring to Close EC Actuator, Threaded Compressor BEC6T = Spring to Open EC Actuator, Threaded Compressor B29T = Polyphenylene Sulphone (PPS) Manual Bonnet, Threaded Compressor B36T = Stainless Steel Manual Bonnet, Threaded Compressor</p> <p>Sold as Replacement Bio-Seal topworks only: (Button Type Fitment) B29 = Polyphenylene Sulphone (PPS) B36 = Stainless Steel BEC4 = Double Acting EC Actuator BEC5 = Spring to Close EC Actuator BEC6 = Spring to Open EC Actuator BES4 = Double Acting Stainless Steel EC Actuator BES5 = Spring to Close Stainless Steel EC Actuator BES6 = Spring to Open Stainless Steel EC Actuator</p>		<p>Schedule 7A - Accessories: Topworks Accessories: W = Weep Holes V = Vent Plug LK = Locking Kit LOS = Limit Open Stop LCS = Limit Close Stop Actuator Accessories: I60 = 60# Spring IA = 3A Version ISlot or IS = Slotted Version ISSTF = Switch, Solenoid, or Positioner SST Tubing/Fittings</p> <p>Switches: (See page 8) Saunders Switch Options Saunders I-VUE Switch Options Stainless Steel I-VUE Switch Mtg Plates with 360 Degree Rotation Stonel and Westlock Switch Options Saunders EC Option Adders</p> <p>Positioners: VP = Saunders Pneumatic ViaPos Positioner (EC5 & S360 Only) * VE = Saunders ElectroPneu ViaPos Positioner (EC5 & S360 Only) * IY1 = Moore 760P (1.50" & Larger Valves) IY2 = Moore 760E (1.50" & Larger Valves) IY4 = Moore 72N315 IG = Moore Gauges (72 Series) IGB = Moore Gauges/Bypass (72 Series) IY14 = Moore 73NF (S/O, D/A) 73NB (S/C) IGS = Moore Gauges/SST (73N Series) IT = Moore I/P Transducer IBLX3 = BLX Pneumatic 3-15PSI Positioner IBLX4 = BLX Electro-Pneumatic 4-20Ma Positioner</p> <p>* Spring Close Only</p> <p>Solenoids: IX1 = Asco 3-Way 8320G-184-120/60 IX4 = Asco 3-Way 8320G-202-120/60 IX10 = Asco 3-Way 8320G-184-24VDC IX12 = Asco 3-Way 8320G-202-24VDC IX2 = Asco 3-Way EF8320G-184-120/60 IX5 = Asco 3-Way EF8320G-202-120/60 IX14 = Asco 3-Way EF8320G-184-24VDC IX16 = Asco 3-Way EF8320G-202-24VDC IX3 = Asco 3-Way U8325-35V-120/60 IX11 = Asco 3-Way U8325-35V-24VDC IX17 = Asco 4-Way 8345G1-120/60 IX18 = Asco 4-Way EF8345G1-120/60</p>	<p>Schedule 8 - Diaphragm (Sizes 0.500-6.000") E2 = Black EPM, FDA (425) Peroxide Cured E3 = Black EPM, FDA (425) Peroxide Cured, Post Cured E8 = EPM (425) Threaded Connection (0.500-0.750") E9 = EPM (425) Post Cured, Threaded Connection (0.500-0.750") EE = Black EPDM, FDA, Peroxide Cured - Threaded Connection EF = Black EPDM, FDA Post Peroxide Cured - Threaded Connection P2 = PTFE / EPM Backed, FDA (214/425) S5 = PTFE / EPDM Backed, FDA (214S/425) Steam Grade P8 = PTFE / EPDM Backed, FDA (214/EPDM) S8 = PTFE / EPDM Backed, FDA (214S/EPDM) Steam Grade P3 = PTFE / Viton Backed, FDA (214/226) EX = Saunders EX Endurance Modified PTFE/Silicone SI = Silicone, FDA (500) Q2 = Silicone, Threaded Connection (0.500-0.750") D = Butyl Rubber (300) B6 = High Temp Butyl, Threaded Connection (0.500-0.750") PV = EPM Passivation Diaphragm</p> <p>(BioSeal Sizes 0.250, 0.375, & 0.500") (4 Bolt Design) BE8 = Black EPM, FDA (425C) Peroxide Cured, Threaded BEE = Black EPDM, FDA, Peroxide Cured BE9 = Black EPM, FDA (E3C) Peroxide Cured, Post Cured, Threaded BEF = Black EPDM, FDA Post Peroxide Cured BP3T = PTFE/Viton Backed, FDA (214/226) Threaded BS6 = PTFE/EPDM Backed, FDA (214S/425C) Threaded, Steam Grade BEX = Saunders EX Endurance Modified PTFE/Silicone BSIT = Silicon, FDA (500) Threaded</p> <p>Sold as Replacement Bio-Seal Diaphragms only: BE2 = Black EPM, FDA (425) Peroxide Cured* Replacement only BE3 = Black EPM, FDA (E3) Peroxide Cured, Post Cured *Replacement only BP2 = PTFE/EPDM Backed, FDA (214/425) - BUTTON STYLE *Replacement only BP3 = PTFE/Viton Backed, FDA (214/226)* Replacement only BS5 = PTFE/EPDM Backed, FDA (214S/425) Steam Grade *Replacement only BSI = Silicone, FDA (500) * B29 = Polyphenylene Sulphone (PPS)*Replacement only</p> <p>Schedule 9 - Access Assembly Orientations: Please Refer to Orientation Pages for Appropriate Code. A01 - A28 = Valve/Valve Access Assemblies F31 - F34 = Valve/Fitting Access Assemblies</p>	<p>Schedule 10 - Diverters: D2 = 2 Way (1 Inlet - 2 Outlets) D3 = 3 Way (1 Inlet - 3 Outlets) D4 = 4 Way (1 Inlet - 4 Outlets) D5 = 5 Way (1 Inlet - 5 Outlets)</p>	

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