

# VALVE CONFIGURATION ORDERING INFORMATION (Valves with O-Rings)

Number(s) in parentheses indicate valve configuration part number position  
IMI PBM part numbers can have up to 20 alpha-numeric characters

| Part Number Position     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Part Number Code Example | S | P | H | L | E | 5 | Q | - | G | -  | -  | -  | 3  | 4  | A  | -  | Y  | X  | X  | X  |

## INDUSTRIAL VALVES

| PRODUCT<br>(1-2)                                                                                                                                                                                                                                     | MATERIAL(2)<br>(3-4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIZE<br>(5)                                                                                          | SERIES<br>(6)                                                                          | END CONNECTION(3)<br>(7-8)                                                                                                                                                                                                                                                                                                                                                                                                                                          | SEAT & SEAL/FILLERS/O-RINGS (4)<br>(9)                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AN ANSI<br>DD Diverter (Steam)<br>FD Flush Tank (Steam)<br>FT Flush Tank (Firesafe API-607)<br>MP Multi-Port<br>SP SP (Firesafe API-607)<br>SD SP (Steam)<br>AF Angle Stem Valves<br>(1" thru 6" Firesafe API-607)<br>AF Angle Stem Valves (6" Only) | A- Aluminum<br>C- Hastelloy® C-276<br>C1 Hastelloy® B2<br>D- Iron(6)<br>E- Carbon Steel(6)<br>G- Lead Free Bronze<br>H- 316/316L Stainless<br>H- RF Flange only<br>HC Alloy 20<br>HL 316L Stainless<br>H2 317L Stainless<br>I- Inconel® 600<br>M- Monel 400<br>N- 922 Bronze<br>P- AL6XN<br>R- 955 NiAl-Bronze<br>S- 953 Al-Bronze<br>T- Gr. 5 Titanium<br>T2 Gr. 2 Titanium<br>T7 Gr. 7 Titanium<br>W- Nickel 200<br>X- 958 NiAl-Bronze<br>Z- 70/30 CuNi<br>1- 90/10 CuNi<br>5- Inconel® 625<br>9- 954 Al-Bronze<br>25 254SMO®6Mo<br>22 Duplex 2205<br>76 Super Duplex 32760<br>For other materials,<br>Consult Factory | A 1/4<br>B 3/8<br>C 1/2<br>D 3/4<br>E 1<br>F 1-1/4<br>G 1-1/2<br>H 2<br>J 2-1/2<br>K 3<br>L 4<br>M 6 | 1 Series 1<br>3 Series 3 (API-607)<br>4 Series 4<br>5 Series 5<br>6 Series 6 (API-607) | B- Ext. Sch 40 butt weld<br>D- Ext. Sch 10 butt weld<br>J- Ext. socket weld<br>L- 150# Flange<br>M- 300# Flange<br>P- Male NPT<br>Q- Female NPT<br>Q1 BSPT<br>S- Sil-braze1 groove (pipe)<br>T- Solder joint (tube)<br>U- Socket weld (pipe)<br>-Z No end fittings<br>For other end fittings,<br>Consult Factory<br><br>Column 8 options<br>3 Non Adjust-O-Seal®<br>4 Reduced port<br>5 Non Adjust-O-Seal® &<br>Reduced port<br>7 Flat-faced flanges<br>9 Bar-stock | A(7) RT<br>B(7) RT<br>F(6) Metal<br>G TF<br>H HT<br>I HT<br>J TF<br>K UT<br>L UT<br>M UT<br>N(6) PK<br>O(6) PK<br>P(6) PK<br>Q(6) CG<br>V(7) RT<br>W(7) RT<br>Y CT<br>Z TF<br>0 HT<br>1 HT<br>2 TF<br>3 UT<br>4 UT<br>5 UT<br>8(7) RT<br>9 TF |
|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                      |                                                                                        | SEAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FILLER                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                      |                                                                                        | O-RING                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |

### CURRENT PRODUCT SERIES

|   |                                                  |
|---|--------------------------------------------------|
| 1 | AF (6" Only), Bronze AN                          |
| 3 | AF (Firesafe API-607)                            |
| 4 | MP (300# class maximum)                          |
| 5 | AN, DD, FD, SD                                   |
| 6 | AN, SP (Firesafe API-607), FT (Firesafe API-607) |

### O-RING MATERIAL CODES

|      |                      |
|------|----------------------|
| EP   | EPDM E3609-70        |
| VI   | FKM V1274-80         |
| VV   | FEP Encapsulated FKM |
| KA   | Kalrez 6375          |
| FFKM | FF350-75             |

### SEAT/SEAL/MATERIAL CODES

|    |                 |
|----|-----------------|
| CG | Carbon-Graphite |
| HT | S-TEF®          |
| CT | C-TEF™          |
| PK | PEEK            |
| RT | RTFE            |
| TF | V-TEF™          |
| VT | VTFE            |
| UT | UHMWPE          |
| F  | Metal Seats     |

## SANITARY VALVES

| PRODUCT<br>(1-2)                                                                                                                                                                                                                                             | MATERIAL(2)<br>(3-4)                                                                                                                                                                                                                                                                                                                           | SIZE<br>(5)                                                                                          | SERIES<br>(6)                                                                                        | END CONNECTION(3)<br>(7-8)                                                                                                                                                                                                     | SEAT & SEAL/FILLERS/O-RINGS (4)<br>(9)                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CS Clean Steam<br>CT Clean Steam Trap<br>DC Diverter (Steam)<br>FI Flush Tank (Firesafe API-607)<br>FC Flush Tank (Steam)<br>MI Multi-Port<br>SI Sanitary (Firesafe API-607)<br>AF Angle Stem Valves<br>(Firesafe API-607)<br>AF Angle Stem Valves (6" Only) | C- Hastelloy® C-276<br>HC Alloy 20<br>HL 316L Stainless<br>HF F316L Forged<br>H2 317L Stainless<br>I- Inconel® 600<br>P- AL6XN<br>T- Gr. 5 Titanium<br>T2 Gr. 2 Titanium<br>T7 Gr. 7 Titanium<br>Y- Hastelloy® C-22®<br>5- Inconel® 625<br>25 254SMO®6Mo<br>22 Duplex 2205<br>76 Super Duplex 32760<br>For other materials,<br>Consult Factory | A 1/4<br>B 3/8<br>C 1/2<br>D 3/4<br>E 1<br>F 1-1/4<br>G 1-1/2<br>H 2<br>J 2-1/2<br>K 3<br>L 4<br>M 6 | 1 Series 1<br>3 Series 3 (API-607)<br>4 Series 4<br>6 Series 6 (API-607)<br>8 Series 8<br>9 Series 9 | F- Ext tube butt weld<br>G- Female CBI<br>H- Male CBI<br>SM Compression<br>X- Hygenic Clamp<br>Z- No end fittings<br>For other end fittings,<br>Consult Factory<br><br>Column 8 options<br>3 Non Adjust-O-Seal®<br>9 Bar-stock | C(7) VT<br>D(7) VT<br>G TF<br>H HT<br>I HT<br>J TF<br>K UT<br>L UT<br>M UT<br>T(7) VT<br>U(7) VT<br>Z TF<br>0 HT<br>1 HT<br>2 TF<br>3 UT<br>4 UT<br>5 UT<br>6(6) PK<br>7(7) VT<br>9 TF |
|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                |                                                                                                      |                                                                                                      | SEAT                                                                                                                                                                                                                           | FILLER                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                |                                                                                                      |                                                                                                      | O-RING                                                                                                                                                                                                                         |                                                                                                                                                                                        |

### CURRENT PRODUCT SERIES

|       |                                              |
|-------|----------------------------------------------|
| 1     | AF (6" Only)                                 |
| 3     | AF (Firesafe API-607)                        |
| 4     | MI (300# class maximum)                      |
| 6     | FI (Firesafe API-607), SI (Firesafe API-607) |
| 8 & 9 | CS, CT, DC, FC                               |

### STEAM vs. SEAT COMPATIBILITY

|        |                    |
|--------|--------------------|
| V-TEF™ | ≤150psig AT ≤366°F |
| S-TEF® | ≤200psig AT ≤388°F |

### O-RING MATERIAL CODES

|    |                      |
|----|----------------------|
| EP | EPDM E3609-70        |
| VI | FKM V1274-80         |
| VV | FEP Encapsulated FKM |

### SEAT/SEAL/MATERIAL CODES

|    |        |
|----|--------|
| HT | S-TEF® |
| PK | PEEK   |
| TF | V-TEF™ |
| VT | VTFE   |
| UT | UHMWPE |

(2) For valves with 2 different materials, use the 1st position for body material and the 2nd position for end fitting material. (3) - For valves with 2 different end connections, use both end codes - e.g. - FX = extended butt weld for tube by clamp. (4) - For standard seat/seal material by series, please see appropriate pricing page. (5) - All Carbon Steel valves may be coated internally and externally with a rust inhibitor. Information on the rust inhibitor and/or an MSDS is available upon request. In addition, Carbon steel cast products are painted (black in color) externally prior to coating. (6) Requires 17-4PH stem; (7) only for AN Series 1 Bronze, AF Series 1 6", and AF Series 3 Firesafe valves.

# VALVE CONFIGURATION ORDERING INFORMATION (Valves with O-Rings)

Number(s) in parentheses indicate valve configuration part number position  
IMI PBM part numbers can have up to 20 alpha-numeric characters

| Part Number Position     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Part Number Code Example | S | P | H | L | E | 5 | Q | - | G | -  | -  | -  | 3  | 4  | A  | -  | Y  | X  | X  | X  |

## INDUSTRIAL AND SANITARY VALVES

| FLOW PATTERN/TANK PAD/PURGE OPTIONS<br>(10 & 11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | BALL / STEM OPTIONS<br>(12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | OPERATOR OPTIONS<br>(13 & 14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | POLISH OPTIONS<br>(15)                                                                                                                                                                                                                                                                                                        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| <div><div>●</div><div>DIVERTER PORT AND MULTI-PORT VALVES</div><div>FOR DIVERTER AND MULTI-PORT VALVES, USE</div><div>POSITION 10 &amp; 11 TO INDICATE THE FLOW PATTERN -</div><div>SEE PAGE 8 FOR COMMON FLOW PATTERNS</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <div><div>-</div><div>Standard (316/316L ball &amp; stem)</div><div>F</div><div>Internal / external grounding</div><div>G</div><div>17-4PH stem</div><div>I</div><div>Monel ball</div><div>J</div><div>932 Bronze ball</div><div>K</div><div>Monel stem &amp; followers</div><div>L</div><div>Monel ball, stem &amp; followers</div><div>M</div><div>Aluminum ball</div><div>N</div><div>922 Bronze ball</div><div>O</div><div>Hastelloy C-276 ball</div><div>P</div><div>C-276 ball, stem &amp; followers</div><div>Q</div><div>922 Bronze ball w/Monel stem</div><div>R</div><div>Monel stem, followers &amp; bolting</div><div>S</div><div>Monel ball, stem, followers &amp; bolting</div><div>T</div><div>922 Bronze ball, Monel stem &amp; followers,</div><div>Silicon Bronze bolting &amp; CuSi fasteners</div><div>U</div><div>922 Bronze ball w/Monel stem &amp; followers</div><div>V</div><div>12" extended stem/body bonnet (cryo only)</div><div>1</div><div>Chrome carbide (ball &amp; seat coating)</div><div>2</div><div>Tungsten carbide (ball &amp; seat coating)</div></div>                                                                                                                                                                                                                                                                                                                                                                          |  | <div><div>--</div><div>w/handle</div><div>00</div><div>Stainless locking oval hand wheel(a)</div><div>02</div><div>w/o handles, w/stem actr prep</div><div>03</div><div>w/handle, w/stem actr prep</div><div>04</div><div>Locking lever handle</div><div>05</div><div>w/stainless oval hand wheel(a)</div><div>07</div><div>w/45° handle</div><div>08</div><div>w/gear operator</div><div>09</div><div>w/T-handle</div><div>10</div><div>w/manual spring return handle(b)</div><div>11</div><div>w/fusible link SR handle (165°F)©</div><div>12</div><div>w/vane actr for 80psig</div><div>13</div><div>w/GP electric actuator</div><div>14</div><div>w/XP electric actuator</div><div>17/19</div><div>w/ext lockable oval hand wheel (a)</div><div>18/16</div><div>w/ext lockable lever handle</div><div>71/16</div><div>w/ext lockable lever handle - Sanitary(a)</div><div>72/19</div><div>w/ext lockable oval hand wheel -</div><div>Sanitary (a)</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <div><div>-</div><div>Standard polish</div><div>A</div><div>20Ra ID (Series 8 std polish)</div><div>B</div><div>32Ra OD</div><div>C</div><div>20Ra ID / 32Ra OD</div><div>D</div><div>15Ra ID</div><div>E</div><div>10Ra ID</div><div>F</div><div>20Ra ID after EP</div><div>G</div><div>15Ra ID after EP</div><div>H</div><div>10Ra ID after EP</div><div>I</div><div>5Ra ID</div><div>K</div><div>5Ra ID / 32Ra OD</div><div>L</div><div>20Ra ID / 32Ra OD / EP</div><div>M</div><div>EP ID</div><div>N</div><div>10 Ra ID / 32Ra OD</div><div>O</div><div>15Ra ID / 32Ra OD / EP</div><div>Q</div><div>15Ra ID / 32Ra OD</div><div>S</div><div>10Ra ID / 32Ra OD / EP</div></div> |  |
| <div><div>--</div><div>Standard flush tank weld pad</div><div>02</div><div>Less tank weld pad but with plastic or wood shipping pad</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <div><div>05</div><div>w/1" bolt-on tank pad</div><div>06</div><div>w/1-1/2" bolt-on tank pad</div><div>07</div><div>w/2" bolt-on tank pad</div><div>08</div><div>w/3" bolt-on tank pad</div><div>09</div><div>w/4" bolt-on tank pad</div><div>10</div><div>w/6" bolt-on tank pad</div><div>11</div><div>w/8" bolt-on tank pad</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| <div><div>●●</div><div>PURGE PORT OPTIONS (●●POSITION 10 ONLY●●)</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                       |  |
| <div><div>-</div><div>No purge option(s) selected¹</div><div>A</div><div>(1) 1/2" clamp on center 90° from stem</div><div>B</div><div>(1) 1/2" clamp on center opposite stem</div><div>C</div><div>(1) 1/2" clamp upstream 90° from stem</div><div>D</div><div>(1) 1/2" clamp downstream opposite stem</div><div>E</div><div>(2) 1/2" clamp (1) on center 90° from stem &amp; (1) opposite stem</div><div>F</div><div>(2) 1/2" clamp (1) upstream 90° from stem &amp; (1) downstream opposite stem</div><div>G</div><div>(1) 1/2" BWTE on center 90° from stem</div><div>H</div><div>(1) 1/2" BWTE on center opposite stem</div><div>I</div><div>(1) 1/2" BWTE upstream 90° from stem</div><div>J</div><div>(1) 1/2" BWTE downstream opposite stem</div><div>K</div><div>(2) 1/2" BWTE on center (1) 90° from stem &amp; (1) opposite stem</div><div>L</div><div>(2) 1/2" BWTE upstream 90° from stem &amp; (1) downstream opposite stem</div><div>M</div><div>(1) 1/4" FNPT on center 90° from stem</div><div>N</div><div>(1) 1/4" FNPT on center opposite stem</div><div>O</div><div>(1) 1/4" FNPT upstream 90° from stem</div><div>P</div><div>(1) 1/4" FNPT downstream opposite stem</div><div>Q</div><div>(2) 1/4" FNPT on center 90° from stem &amp; (1) opposite stem</div><div>R</div><div>(2) 1/4" FNPT (1) upstream 90° from stem &amp; (1) downstream opposite stem</div></div> |  | <div><div>24vdc</div><div>24vdc</div><div>24vdc</div><div>IMI PBM, Asco &amp; Westlock combo</div><div>55</div><div>DA80 psig actr &amp; GP Sol</div><div>56</div><div>DA80 psig actr &amp; GP LS &amp; Sol</div><div>57</div><div>DA80 psig actr &amp; XP Sol</div><div>58</div><div>DA80 psig actr &amp; XP LS &amp; Sol</div><div>59</div><div>DA60 psig actr &amp; GP Sol</div><div>60</div><div>DA60 psig actr &amp; GP LS &amp; Sol</div><div>61</div><div>DA60 psig actr &amp; XP Sol</div><div>62</div><div>DA60 psig actr &amp; XP LS &amp; Sol</div><div>63</div><div>SR80 psig actr &amp; GP Sol</div><div>64</div><div>SR80 psig actr &amp; GP LS &amp; Sol</div><div>65</div><div>SR80 psig actr &amp; XP Sol</div><div>66</div><div>SR80 psig actr &amp; XP LS &amp; Sol</div><div>67</div><div>SR60 psig actr &amp; GP Sol</div><div>68</div><div>SR60 psig actr &amp; GP LS Sol</div><div>69</div><div>SR60 psig actr &amp; XP Sol</div><div>70</div><div>SR60 psig actr &amp; XP LS &amp; Sol</div><div>Standard Asco solenoids (12vac &amp; 24vdc)</div><div>GP - WT8551A001MS</div><div>XP - EF8551A001MS</div><div>- solenoids are not wired to position monitors</div><div>Standard Westlock position monitors</div><div>GP - 2004NBY2A2M0200</div><div>XP - 2007NBY2B2M0200</div><div>Standard TopWorx position monitors</div><div>GP/XP - TXP-M21GNEM</div><div>Standard TopWorx prox. position monitor</div><div>GP/XP - TXP-P21GNEM</div></div> |  | <div><div>120vac</div><div>120vac</div><div>120vac</div><div>IMI PBM, Asco &amp; Westlock combo</div><div>20</div><div>DA80 psig actr</div><div>21</div><div>DA80 psig actr &amp; GP LS</div><div>22</div><div>DA80 psig actr &amp; GP Sol</div><div>23</div><div>DA80 psig actr &amp; GP LS &amp; Sol</div><div>24</div><div>DA80 psig actr &amp; XP LS</div><div>25</div><div>DA80 psig actr &amp; XP Sol</div><div>26</div><div>DA80 psig actr &amp; XP LS &amp; Sol</div><div>27</div><div>DA60 psig actr</div><div>28</div><div>DA60 psig actr &amp; GP LS</div><div>29</div><div>DA60 psig actr &amp; GP Sol</div><div>30</div><div>DA60 psig actr &amp; GP LS &amp; Sol</div><div>31</div><div>DA60 psig actr &amp; XP LS</div><div>32</div><div>DA60 psig actr &amp; XP Sol</div><div>33</div><div>DA60 psig actr &amp; XP LS &amp; Sol</div><div>34</div><div>SR80 psig actr</div><div>35</div><div>SR80 psig actr &amp; GP LS</div><div>36</div><div>SR80 psig actr &amp; GP Sol</div><div>37</div><div>SR80 psig actr &amp; GP LS &amp; Sol</div><div>38</div><div>SR80 psig actr &amp; XP LS</div><div>39</div><div>SR80 psig actr &amp; XP Sol</div><div>40</div><div>SR80 psig actr &amp; XP LS &amp; Sol</div><div>41</div><div>SR60 psig actr</div><div>42</div><div>SR60 psig actr &amp; GP LS</div><div>43</div><div>SR60 psig actr &amp; GP Sol</div><div>44</div><div>SR60 psig actr &amp; GP LS &amp; Sol</div><div>45</div><div>SR60 psig actr &amp; XP LS</div><div>46</div><div>SR60 psig actr &amp; XP Sol</div><div>47</div><div>SR60 psig actr &amp; XP LS &amp; Sol</div><div>51(d)</div><div>DA80 psig actr &amp; position indicator</div><div>52(d)</div><div>DA60 psig actr &amp; position indicator</div><div>53(d)</div><div>SR80 psig actr &amp; position indicator</div><div>54(d)</div><div>SR60 psig actr &amp; position indicator</div><div>IMI PBM, Asco &amp; Topworx combo -</div><div>120vac</div><div>73</div><div>DA80 psig actr &amp; XP LS</div><div>74</div><div>DA80 psig actr, XP LS+GP Sol</div><div>75</div><div>DA80 psig actr, XP LS+XP Sol</div><div>76</div><div>DA60 psig actr &amp; XP LS</div><div>77</div><div>DA60 psig actr &amp; XP LS+GP Sol</div><div>78</div><div>DA60 psig actr &amp; XP LS+XP Sol</div><div>79</div><div>SR80 psig actr &amp; XP LS</div><div>80</div><div>SR80 psig actr, XP LS+GP Sol</div><div>81</div><div>SR80 psig actr, XP LS+XP Sol</div><div>82</div><div>SR60 psig actr &amp; XP LS</div><div>83</div><div>SR60 psig actr &amp; XP LS+GP Sol</div><div>84</div><div>SR60 psig actr &amp; XP LS+XP Sol</div><div>85</div><div>DA80 psig actr &amp; XP Prox</div><div>86</div><div>DA80 actr, XP Prox+XP Sol</div><div>87</div><div>DA60 psig actr &amp; XP Prox</div><div>88</div><div>DA60 actr, XP Prox+XP Sol</div><div>89</div><div>SR80 psig actr &amp; XP Prox</div><div>90</div><div>SR80 actr, XP Prox+XP Sol</div><div>91</div><div>SR60 psig actr &amp; XP Prox</div><div>92</div><div>SR60 actr, XP Prox+XP Sol</div></div> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <div><div>-</div><div>No lox option(s) selected¹</div><div>A</div><div>(1) 1/2" clamp on center 90° from stem</div><div>B</div><div>(1) 1/2" clamp on center opposite stem</div><div>C</div><div>(1) 1/2" clamp upstream 90° from stem</div><div>D</div><div>(1) 1/2" clamp downstream opposite stem</div><div>E</div><div>(2) 1/2" clamp (1) on center 90° from stem &amp; (1) opposite stem</div><div>F</div><div>(2) 1/2" clamp (1) upstream 90° from stem &amp; (1) downstream opposite stem</div><div>G</div><div>(1) 1/2" BWTE on center 90° from stem</div><div>H</div><div>(1) 1/2" BWTE on center opposite stem</div><div>I</div><div>(1) 1/2" BWTE upstream 90° from stem</div><div>J</div><div>(1) 1/2" BWTE downstream opposite stem</div><div>K</div><div>(2) 1/2" BWTE on center (1) 90° from stem &amp; (1) opposite stem</div><div>L</div><div>(2) 1/2" BWTE upstream 90° from stem &amp; (1) downstream opposite stem</div><div>M</div><div>(1) 1/4" FNPT on center 90° from stem</div><div>N</div><div>(1) 1/4" FNPT on center opposite stem</div><div>O</div><div>(1) 1/4" FNPT upstream 90° from stem</div><div>P</div><div>(1) 1/4" FNPT downstream opposite stem</div><div>Q</div><div>(2) 1/4" FNPT on center 90° from stem &amp; (1) opposite stem</div><div>R</div><div>(2) 1/4" FNPT (1) upstream 90° from stem &amp; (1) downstream opposite stem</div></div>   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <div><div>LOX &amp; BOLTING OPTIONS<br/>(16)</div><div>-</div><div>No option(s) required</div><div>L</div><div>LOX cleaning per IMI PBM</div><div>procedure</div><div>M</div><div>LOX &amp; CRN bolting</div><div>Z</div><div>CRN bolting</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <div><div>●●</div><div>SPECIAL ENGINEERING#<br/>(17 - 20)</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <div><div>Special engineering number columns -</div><div>consult PBM</div><div>Example: YXXX suffix at end of</div><div>standard IMI PBM part number</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <div><div>-</div><div>No ball options selected position</div><div>A</div><div>Flats in closed downstream position</div><div>B</div><div>Flats in closed upstream position</div><div>C</div><div>Flats in open upstream position</div><div>D</div><div>Flats in open downstream position</div><div>E</div><div>Flats in open upstream &amp; downstream position</div><div>F</div><div>Holes in closed downstream position</div><div>G</div><div>Holes in closed upstream position</div><div>K</div><div>Ball with vent hole (downstream)</div><div>L</div><div>Ball with (2) crown flats</div><div>V</div><div>Standard width slotted ball</div><div>W</div><div>30° V-ball</div><div>X</div><div>45° V-ball</div><div>Y</div><div>60° V-ball</div><div>7</div><div>Self-flush ball with flats closed downstream</div><div>8</div><div>Self-flushing ball</div><div>9</div><div>Ball with vent hole (upstream)</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| <div><div>●●</div><div>AUTOMATION NOTES</div><div>(a) for 2" and smaller valves</div><div>(b) for 1-1/2" and smaller valves</div><div>(c) for 3" and smaller valves</div><div>(d) consult IMI PBM for beacon</div><div>indicators</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| <div><div>ABBREVIATION INDEX</div><div>GP = General Purpose</div><div>XP = Explosion Proof</div><div>LS = Limit Switch</div><div>Sol = Solenoid - N/C</div><div>DA = Double Acting</div><div>SR = Spring Return - FCW</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| <div><div>Polish Notes</div><div>●On ID polished valves, the body, ball, seat retainer (if applicable) and end fittings are polished</div><div>●On ID/OD polished valves, the body, ball, seat retainer (if applicable) and end fittings are polished</div><div>●On ID+EP polished valves, the body, ball, seat retainer (if applicable) and end fittings are polished (Stem is EP'd)</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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