




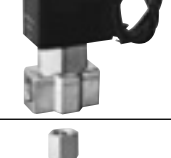

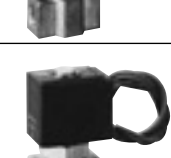



# Series variation



## Direct acting 2, 3-port solenoid valves by target fluid Special purpose

EXA  
FWD  
HNB/G  
USB/G  
FAB/G  
FGB/G  
FVB  
FWB/G  
FHB  
FLB  
AB  
AG  
AP/  
AD  
APK/  
ADK  
DryAir  
EX-  
XPLNprf  
XPLNprf  
HVB/  
HVL  
S ◇ B/  
NAB  
LAD/  
NAD  
Water-  
Rela  
NP/NAP/  
NVP  
SNP  
CHB/G  
MXB/G  
Other  
valves  
SWD/  
MWD  
DustColl  
CVE/  
CVSE  
CCH/  
CPE/D  
LifeSci  
Gas-  
Combus  
Auto-  
Water  
Outdoor  
SpecFld  
Custom  
Ending

| Working fluid  | No. of ports | Model   | Structure | Actuation category |  |
|----------------|--------------|---|-----------|--------------------|--|
| Compressed air | 2-port       |    | FAB       | Single unit        | NC (open when energized)                   |
|                |              |   |           |                    | NO (closed when energized)                 |
|                | 3-port       |    | GFAB      | Manifold           | Common supply                              |
|                |              |   |           |                    | Individual supply                          |
|                |              |   | FAG       | Single unit        | Universal                                  |
|                |              |   |           |                    | NC pressurization                          |
| Dry air        | 2-port       |   | FGB       | Single unit        | NC (open when energized)                   |
|                |              |   | GFGB      | Manifold           | Common supply                              |
|                | 3-port       |  |           |                    | Individual supply                          |
|                |              |   | FGG       | Single unit        | Universal                                  |
|                |              |   |           |                    | NC pressurization                          |
|                |              |   | GFGG      | Manifold           | Common supply/<br>common exhaust           |
| Medium vacuum  | 2-port       |  | FVB       | Single unit        | NC (open when energized)                   |
|                |              |   | GFVB      | Manifold           | Individual supply                          |
| Water          | 2-port       |  | FWB       | Single unit        | NC (open when energized)                   |
|                |              |   |           |                    | NO (closed when energized)                 |
|                | 3-port       |  | GFWB      | Manifold           | Common water<br>supply                     |
|                |              |   | FWG       | Single unit        | Universal                                  |
| Hot water      | 2-port       |  | GFWG      | Manifold           | Common water<br>supply/individual<br>drain |
|                |              |   | FHB       | Single unit        | NC (open when energized)                   |
| Oil            | 2-port       |  | FLB       | Single unit        | NC (open when energized)                   |
|                |              |   | GFLB      | Manifold           | Common lubrication                         |

|  | Port size |       |       |       |       | Page |
|--|-----------|-------|-------|-------|-------|------|
|  | M5        | Rc1/8 | Rc1/4 | Rc3/8 | Rc1/2 |      |
|  | ●         | ●     | ●     | ●     | ●     | 52   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     |       | ●     |       | 58   |
|  | ●         | ●     | ●     |       |       |      |
|  | ●         | ●     | ●     | ●     |       | 64   |
|  |           | ●     | ●     | ●     |       |      |
|  | ●         | ●     | ●     |       |       | 68   |
|  |           | ●     | ●     |       |       |      |
|  |           | ●     | ●     | ●     | ●     | 74   |
|  |           | ●     |       | ●     |       |      |
|  |           | ●     | ●     |       |       | 78   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 84   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     |       |       | 88   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 94   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 98   |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     | ●     | 104  |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 110  |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 116  |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     |       | 120  |
|  |           | ●     | ●     | ●     |       |      |
|  |           | ●     | ●     | ●     | ●     | 126  |
|  |           | ●     | ●     | ●     | ●     |      |
|  |           | ●     | ●     | ●     | ●     | 130  |
|  |           | ●     | ●     | ●     | ●     |      |
|  |           | ●     | ●     | ●     |       | 134  |

|                          |
|--------------------------|
| EXA                      |
| FWD                      |
| HNB/G                    |
| USB/G                    |
| FAB/G                    |
| FGB/G                    |
| FVB                      |
| FWB/G                    |
| FHB                      |
| FLB                      |
| AB                       |
| AG                       |
| AP/<br>AD                |
| APK/<br>ADK              |
| DryAir                   |
| EX-<br>XPLNprf           |
| XPLNprf                  |
| HVB/<br>HVL              |
| S <sup>◇</sup> B/<br>NAB |
| LAD/<br>NAD              |
| Water-<br>Rela           |
| NP/NAP/<br>NVP           |
| SNP                      |
| CHB/G                    |
| MXB/G                    |
| Other<br>valves          |
| SWD/<br>MWD              |
| DustColl                 |
| CVE/<br>CVSE             |
| CCH/<br>CPE/D            |
| LifeSci                  |
| Gas-<br>Combus           |
| Auto-<br>Water           |
| Outdoor                  |
| SpecFld                  |
| Custom                   |
| Ending                   |

\*Note Port size of manifold is for pressurization port.

**CKD**