## Order chart - Viking Xtreme Valves - Xtreme operating pressure / temperature

| P | 2 | L | A | X | 5 | 1 | 1 | E | S | H | D | D | B | 4 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | Valve family |
|---|---|
| P2L | Viking inline valve |

| | Size |
|---|---|
| A | 1/8 |
| B | 1/4 |
| C | 3/8 |
| D | 1/2 |

| | Version |
|---|---|
| X | Xtreme duty spool |

| | Port thread |
|---|---|
| 11 | G1/8 |
| 12 | G1/4 |
| 13 | G3/8 |
| 14 | G1/2 |
| 91 | 1/8 NPT |
| 92 | 1/4 NPT |
| 93 | 3/8 NPT |
| 94 | 1/2 NPT |

| | Solenoid pilot type |
|---|---|
| H[1] | 16 bar / -40°C to 60°C |

[1] Solenoid operated 'H' version supplied with B type enclosure 16 bar solenoid

| | Solenoid exhaust |
|---|---|
| D | Vented |
| N | Capture/tapped M5 |

| Valve type function | | |
|---|---|---|
| **Solenoid operated with internal supply to solenoid** | | |
| 3 |  | 3/2 valve |
| 5 |  | 5/2 valve |
| 6 |  | 5/3 valve closed centre position |
| 7 |  | 5/3 valve pressurised centre |
| 8 |  | 5/3 valve vented centre |
| **Solenoid operated with external pilot supply to solenoids through ports 10 & 12 for 3/2 version and through ports 12 & 14 for 5/2 & 5/3 version** | | |
| L |  | 3/2 valve |
| N |  | 5/2 valve |
| P |  | 5/3 valve closed centre position |
| Q |  | 5/3 valve pressurised centre |
| R |  | 5/3 valve vented centre |

| | Overrides |
|---|---|
| D | Extended non-locking |

| Voltage [3] | | | |
|---|---|---|---|
| | AC | | DC |
| | 60Hz | 50Hz | |
| 40 | 12 | | |
| 42 | 24 | 22 | |
| 45 | | | 12 |
| 47* | | | 12 |
| 48* | | | 24 |
| 49 | | | 24 |
| 53 | 120 | 110 | |
| 57 | 240 | 230 | |
| 72 | | | 110 |
| XX | valve less solenoid/coil | | |

* Mobile voltage see page 51 operating parameters

[3] Shaded part numbers are available from stock
Unshaded part numbers are available on request but will be subject to minimum order quantities
Otherwise order coil and valve separately.

| | Pilot main actuator / Return |
|---|---|
| E | Solenoid operated valve |
| S | Spring (return only) |
| P | Press (return only) |

| | Solenoid enclosure / Lead length |
|---|---|
| A | 22mm Solenoid pilot & 30mm coil Form A |
| B | 22mm Solenoid pilot & 22mm coil Industrial Form B |
| N | 22mm Solenoid pilot less coil |

Shaded part numbers are standard



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## Solenoid operated directional control valves - Xtreme duty -40°C to +60°C
### P2LAX/P2LBX - 16 bar, P2LCX/P2LDX - 12 bar

Complete with 22mm solenoid and 24V DC coil.
**Internal supply to solenoid valve(s) via port 1. Connector/cable plugs to be ordered separately.**

| Symbol | Size | Actuation | Return | Min Operating Pressure (bar) | Changeover time (ms) at 6 bar @20°C actua./return | Weight Kg | Order code |
|---|---|---|---|---|---|---|---|
| **3/2 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 11/11 | 0,42 | **P2LAX311EEHDDB49** |
| | G1/4 | | Low temp. | 1,5 | 13/13 | 0,42 | **P2LBX312EEHDDB49** |
| | G3/8 | | | 1,5 | 18/18 | 0,48 | **P2LCX313EEHDDB49** |
| | G1/2 | | | 1,5 | 18/18 | 0,48 | **P2LDX314EEHDDB49** |
|  | G1/8 | Electric signal | Spring | 3,2 | 15/45 | 0,38 | **P2LAX311ESHDDB49** |
| | G1/4 | | Low temp. | 3,5 | 25/65 | 0,38 | **P2LBX312ESHDDB49** |
| | G3/8 | | | 3,5 | 25/85 | 0,46 | **P2LCX313ESHDDB49** |
| | G1/2 | | | 3,5 | 25/85 | 0,46 | **P2LDX314ESHDDB49** |
| **5/2 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 11/11 | 0,27 | **P2LAX511EEHDDB49** |
| | G1/4 | | Low temp. | 1,5 | 13/13 | 0,42 | **P2LBX512EEHDDB49** |
| | G3/8 | | | 1,5 | 18/18 | 0,48 | **P2LCX513EEHDDB49** |
| | G1/2 | | | 1,5 | 18/18 | 0,48 | **P2LDX514EEHDDB49** |
|  | G1/8 | Electric signal | Spring | 3,2 | 15/45 | 0,22 | **P2LAX511ESHDDB49** |
| | G1/4 | | Low temp. | 3,2 | 20/55 | 0,38 | **P2LBX512ESHDDB49** |
| | G3/8 | | | 3,2 | 25/85 | 0,46 | **P2LCX513ESHDDB49** |
| | G1/2 | | | 3,2 | 25/85 | 0,46 | **P2LDX514ESHDDB49** |
| **5/3 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAX611EEHDDB49** |
| | G1/4 | Closed centre | Self | 3,5 | 25/65 | 0,45 | **P2LBX612EEHDDB49** |
| | G3/8 | position | centring | 3,5 | 30/90 | 0,55 | **P2LCX613EEHDDB49** |
| | G1/2 | | Low temp. | 3,5 | 30/95 | 0,55 | **P2LDX614EEHDDB49** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAX811EEHDDB49** |
| | G1/4 | Vented centre | Self | 3,5 | 25/65 | 0,45 | **P2LBX812EEHDDB49** |
| | G3/8 | position | centring | 3,5 | 30/90 | 0,55 | **P2LCX813EEHDDB49** |
| | G1/2 | | Low temp. | 3,5 | 30/95 | 0,55 | **P2LDX814EEHDDB49** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAX711EEHDDB49** |
| | G1/4 | Pressurised | Self | 3,5 | 25/65 | 0,45 | **P2LBX712EEHDDB49** |
| | G3/8 | centre | centring | 3,5 | 30/90 | 0,55 | **P2LCX713EEHDDB49** |
| | G1/2 | position | Low temp. | 3,5 | 30/95 | 0,55 | **P2LDX714EEHDDB49** |



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## Solenoid operated directional control valves - Xtreme duty -40°C to +60°C
### P2LAX/P2LBX - 16 bar, P2LCX/P2LDX - 12 bar

Valves fitted with 22mm solenoid operator(s) less coil(s). Order coils and plug/connectors separately
**Internal supply to solenoid valve(s) via port 1. Connector/cable plugs to be ordered separately.**

| Symbol | Size | Actuation | Return | Min Operating Pressure (bar) | Changeover time (ms) at 6 bar @20°C actua./return | Weight Kg | Order code |
|---|---|---|---|---|---|---|---|
| **3/2 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 11/11 | 0,31 | **P2LAX311EEHDDN** |
| | G1/4 | | | 1,5 | 13/13 | 0,31 | **P2LBX312EEHDDN** |
| | G3/8 | | | 1,5 | 18/18 | 0,41 | **P2LCX313EEHDDN** |
| | G1/2 | | | 1,5 | 18/18 | 0,41 | **P2LDX314EEHDDN** |
|  | G1/8 | Electric signal | Spring | 3,2 | 15/45 | 0,31 | **P2LAX311ESHDDN** |
| | G1/4 | | | 3,5 | 25/65 | 0,31 | **P2LBX312ESHDDN** |
| | G3/8 | | | 3,5 | 25/85 | 0,40 | **P2LCX313ESHDDN** |
| | G1/2 | | | 3,5 | 25/85 | 0,40 | **P2LDX314ESHDDN** |
| **5/2 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 11/11 | 0,16 | **P2LAX511EEHDDN** |
| | G1/4 | | | 1,5 | 13/13 | 0,31 | **P2LBX512EEHDDN** |
| | G3/8 | | | 1,5 | 18/18 | 0,41 | **P2LCX513EEHDDN** |
| | G1/2 | | | 1,5 | 18/18 | 0,41 | **P2LDX514EEHDDN** |
|  | G1/8 | Electric signal | Spring | 3,2 | 15/45 | 0,16 | **P2LAX511ESHDDN** |
| | G1/4 | | | 3,2 | 20/55 | 0,31 | **P2LBX512ESHDDN** |
| | G3/8 | | | 3,2 | 25/85 | 0,40 | **P2LCX513ESHDDN** |
| | G1/2 | | | 3,2 | 25/85 | 0,40 | **P2LDX514ESHDDN** |
| **5/3 valves, internal air, low temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,17 | **P2LAX611EEHDDN** |
| | G1/4 | Closed centre | Self | 3,5 | 25/65 | 0,33 | **P2LBX612EEHDDN** |
| | G3/8 | position | centring | 3,5 | 30/90 | 0,42 | **P2LCX613EEHDDN** |
| | G1/2 | | | 3,5 | 30/95 | 0,42 | **P2LDX614EEHDDN** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,17 | **P2LAX811EEHDDN** |
| | G1/4 | Vented centre | Self | 3,5 | 25/65 | 0,33 | **P2LBX812EEHDDN** |
| | G3/8 | position | centring | 3,5 | 30/90 | 0,42 | **P2LCX813EEHDDN** |
| | G1/2 | | | 3,5 | 30/95 | 0,42 | **P2LDX814EEHDDN** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,17 | **P2LAX711EEHDDN** |
| | G1/4 | Pressurised | Self | 3,5 | 25/65 | 0,33 | **P2LBX712EEHDDN** |
| | G3/8 | centre | centring | 3,5 | 30/90 | 0,42 | **P2LCX713EEHDDN** |
| | G1/2 | position | | 3,5 | 30/95 | 0,42 | **P2LDX714EEHDDN** |



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## Solenoid operated directional control valves - Xtreme duty -40°C to + 60°C

### P2LAX/P2LBX - 16 bar, P2LCX/P2LDX - 12 bar

Valves fitted with 22mm solenoid operator(s) less coil(s). Order coils and plug/connectors separately

**External supply to solenoid valve(s) via ports 10 & 12 for 3/2 version and via port 12 & 14 for 5/2 and 5/3 version**

| Symbol | Size | Actuation | Return | Min Operating Pressure (bar) | Changeover time (ms) at 6 bar @20°C actua./return | Weight Kg | Order code |
|---|---|---|---|---|---|---|---|
| **3/2 valves, external air standard temperature** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 10/10 | 0,42 | **P2LAXL11EEHDDN** |
| | G1/4 | | | 1,5 | 10/12 | 0,42 | **P2LBXL12EEHDDN** |
| | G3/8 | | | 1,5 | 17/17 | 0,81 | **P2LCXL13EEHDDN** |
| | G1/2 | | | 1,5 | 17/17 | 0,81 | **P2LDXL14EEHDDN** |
|  | G1/8 | Electric signal | Spring | 3,2 | 18/40 | 0,42 | **P2LAXL11ESHDDN** |
| | G1/4 | | | 3,5 | 18/45 | 0,42 | **P2LBXL12ESHDDN** |
| | G3/8 | | | 3,5 | 25/75 | 0,76 | **P2LCXL13ESHDDN** |
| | G1/2 | | | 3,5 | 25/75 | 0,76 | **P2LDXL14ESHDDN** |
| **5/2 valves, external air to pilot operators** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 1,5 | 11/11 | 0,27 | **P2LAXN11EEHDDN** |
| | G1/4 | | | 1,5 | 13/13 | 0,42 | **P2LBXN12EEHDDN** |
| | G3/8 | | | 1,5 | 18/18 | 0,81 | **P2LCXN13EEHDDN** |
| | G1/2 | | | 1,5 | 18/18 | 0,81 | **P2LDXN14EEHDDN** |
|  | G1/8 | Electric signal | Spring | 3,2 | 15/45 | 0,22 | **P2LAXN11ESHDDN** |
| | G1/4 | | | 3,2 | 20/55 | 0,38 | **P2LBXN12ESHDDN** |
| | G3/8 | | | 3,2 | 25/85 | 0,76 | **P2LCXN13ESHDDN** |
| | G1/2 | | | 3,2 | 25/85 | 0,76 | **P2LDXN14ESHDDN** |
| **5/3 valves, external air to pilot operators** | | | | | | | |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAXP11EEHDDN** |
| | G1/4 | Closed centre | Self | 3,5 | 25/65 | 0,44 | **P2LBXP12EEHDDN** |
| | G3/8 | position | centring | 3,5 | 30/90 | 1,11 | **P2LCXP13EEHDDN** |
| | G1/2 | | | 3,5 | 30/95 | 1,11 | **P2LDXP14EEHDDN** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAXR11EEHDDN** |
| | G1/4 | Vented centre | Self | 3,5 | 25/65 | 0,44 | **P2LBXR12EEHDDN** |
| | G3/8 | position | centring | 3,5 | 30/90 | 1,11 | **P2LCXR13EEHDDN** |
| | G1/2 | | | 3,5 | 30/95 | 1,11 | **P2LDXR14EEHDDN** |
|  | G1/8 | Electric signal | Electric signal | 3,5 | 18/50 | 0,28 | **P2LAXQ11EEHDDN** |
| | G1/4 | Pressurised | Self | 3,5 | 25/65 | 0,44 | **P2LBXQ12EEHDDN** |
| | G3/8 | centre | centring | 3,5 | 30/90 | 1,11 | **P2LCXQ13EEHDDN** |
| | G1/2 | position | | 3,5 | 30/95 | 1,11 | **P2LDXQ14EEHDDN** |



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