

V60 ... V63, 3/2, 2 x 3/2, 5/2 or 5/3 Solenoid and pilot actuated spool valves



- > Port size: 1/8" ... 1/2" (ISO G/NPT)
- > High flow rate at small size
- > Proven sealing system, maintenance-free
- > Different manual override options available
- > Low power consumption
- > Manifold system for easy assembly
- > Different pressure ranges possible



Technical features

Medium:

Compressed air, filtered lubricated or non lubricated

Operation:

Electromagnetically or pneumatically controlled

Operating pressure:

-0,9 ... 10 bar (-13 ... 145 psi)
Details see following pages

Flow:

500 ... 4500 l/min

Flow direction:

Internal pilot supply: fixed
External pilot supply: optional

Port size:

G1/8, G1/4, G3/8 or G1/2
For valves with NPT ports see option selector

Mounting position:

Optional, spring return valves, preferably horizontal

Ambient/Media temperature:

-10 ... +50°C (+14 ... +122°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Housing: Aluminium bar stock.
Base plate: Aluminium
Static and dynamic seals: NBR and FPM
Plastic parts: PA, PBT with GF

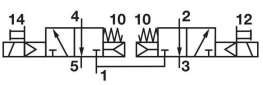
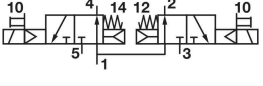
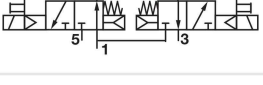
Electrical details for solenoid operators

| | | |
|--|---|-------|
| Voltage tolerance | ± 10% | |
| Rating | 100% continuous duty | |
| Inlet orifice | 0,8 mm | |
| Electrical connection (corresponding to chosen coil) | EN 175301-803 - Form B, 22 mm Industrial Standard, 22 mm | |
| Solenoid | 4 x 90° rotatable | |
| Manual override | Without | # = 1 |
| | Push and turn to lock | # = 2 |
| | Push only (not lockable) | # = 3 |
| Protection class | IP 65 (with sealed plug) | |

3/2 directional control valves, solenoid actuated

| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|----------|---------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | NC | Solenoid/spring | Internal | 750 | 2 ... 10 | - | 0,22 | 1 | V60A417A-A## |
| | G1/4 | NC | Solenoid/spring | Internal | 1300 | 2 ... 10 | - | 0,29 | 1 | V61B417A-A## |
| | G3/8 | NC | Solenoid/spring | Internal | 2600 | 2 ... 10 | - | 0,52 | 1 | V62C417A-A## |
| | G1/2 | NC | Solenoid/spring | Internal | 4500 | 2 ... 10 | - | 0,78 | 2 | V63D417A-A## |
|  | G1/8 | NC | Solenoid/air spring | Internal | 750 | 2 ... 10 | - | 0,22 | 3 | V60A413A-A## |
| | G1/4 | NC | Solenoid/air spring | Internal | 1300 | 2 ... 10 | - | 0,29 | 3 | V61B413A-A## |
| | G3/8 | NC | Solenoid/air spring | Internal | 2600 | 2 ... 10 | - | 0,52 | 3 | V62C413A-A## |
| | G1/2 | NC | Solenoid/air spring | Internal | 4500 | 3 ... 10 | - | 0,78 | 4 | V63D413A-A## |
|  | G1/8 | NC | Solenoid/air spring | External | 750 | -0,9 ... 10 | 3 ... 10 | 0,22 | 3 | V60A423A-A## |
| | G1/4 | NC | Solenoid/air spring | External | 1300 | -0,9 ... 10 | 3 ... 10 | 0,29 | 3 | V61B423A-A## |
| | G3/8 | NC | Solenoid/air spring | External | 2600 | -0,9 ... 10 | 3 ... 10 | 0,52 | 3 | V62C423A-A## |
| | G1/2 | NC | Solenoid/air spring | External | 4500 | -0,9 ... 10 | 3 ... 10 | 0,78 | 4 | V63D423A-A## |
|  | G1/8 | NO | Solenoid/air spring | Internal | 750 | 2 ... 10 | - | 0,22 | 5 | V60A313A-A## |
| | G1/4 | NO | Solenoid/air spring | Internal | 1300 | 2 ... 10 | - | 0,29 | 5 | V61B313A-A## |
| | G3/8 | NO | Solenoid/air spring | Internal | 2600 | 2 ... 10 | - | 0,52 | 5 | V62C313A-A## |
| | G1/2 | NO | Solenoid/air spring | Internal | 4500 | 3 ... 10 | - | 0,78 | 6 | V63D313A-A## |
|  | G1/8 | - | Solenoid/Solenoid | Internal | 750 | 1,5 ... 10 | - | 0,30 | 7 | V60A411A-A## |
| | G1/4 | - | Solenoid/Solenoid | Internal | 1300 | 1,5 ... 10 | - | 0,38 | 7 | V61B411A-A## |
| | G3/8 | - | Solenoid/Solenoid | Internal | 2600 | 1,5 ... 10 | - | 0,61 | 7 | V62C411A-A## |
| | G1/2 | - | Solenoid/Solenoid | Internal | 4500 | 2 ... 10 | - | 0,87 | 8 | V63D411A-A## |


2 x 3/2 directional control valves, solenoid actuated


| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|----------|-------------------|--------------|--------------|--------------------------|-------------|-------------|--------------|
|  | G1/8 | NC/NC | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AA11A-A## |
| | G1/4 | NC/NC | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BA11A-A## |
| | G3/8 | NC/NC | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CA11A-A## |
|  | G1/8 | NO/NO | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AB11A-A## |
| | G1/4 | NO/NO | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BB11A-A## |
| | G3/8 | NO/NO | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CB11A-A## |
|  | G1/8 | NO/NC | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AC11A-A## |
| | G1/4 | NO/NC | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BC11A-A## |
| | G3/8 | NO/NC | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CC11A-A## |

Insert code for manual override: 1 = without; 2 = push and turn, 3 = push only
 *) Insert voltage code from table below or 000 for version without solenoid

NC = Normally closed
 NO = Normally open
 NC/NC = Both valves normally closed (port P)
 NO/NO = Both valves normally open (port P)
 NO/NC = Valve normally open, 1 valve normally closed (port P)

Voltage codes and spare coils

| 22 mm coil for connector interface acc. to industrial standard | | | | |
|---|--------------------|-------------------|--------------|------|
| | Voltage | Power Inrush/Hold | Model | Code |
|  | 12 V d.c. | 2 W | QM/48/12J/21 | 12J |
| | 24 V d.c. | 2 W | QM/48/13J/21 | 13J |
| | 24 V 50/60 Hz | 4/2,5 VA | QM/48/14J/21 | 14J |
| | 110/120 V 50/60 Hz | 4/2,5 VA | QM/48/18J/21 | 18J |
| | 220/240 V 50/60 Hz | 6/5,0 VA | QM/48/19J/21 | 19J |

| 22 mm coil for connector interface acc. EN 175 301-803, form B | | | | |
|---|--------------------|-------------------|-------------|------|
| | Voltage | Power Inrush/Hold | Model | Code |
|  | 12 V d.c. | 2 W | V10626-A12L | 12L |
| | 24 V d.c. | 2 W | V10626-A13L | 13L |
| | 24 V 50/60 Hz | 4/2,5 VA | V10626-A14L | 14L |
| | 110/120 V 50/60 Hz | 4/2,5 VA | V10626-A18L | 18L |
| | 220/240 V 50/60 Hz | 6/5,0 VA | V10626-A19L | 19L |

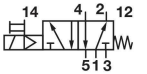
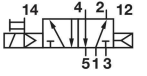
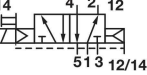
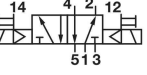
Other voltage on request.

Connector plugs - ordered separately

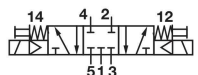
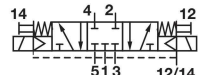
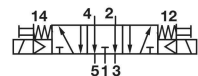
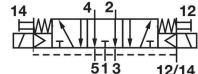
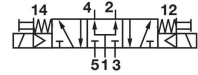
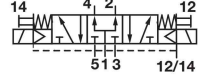
| Industrial standard 22 mm 2-pole + PE | 22 mm, EN 175301-803 (DIN 43650 B) Form B 2-pole + PE |
|---|---|
|  |  |
| 0657868 12...250 V a.c./d.c. | 0680003 12...250 V a.c./d.c. |
| 0680000 15...30 V DC; LED, surge suppression | 0664811 15...30 V DC; LED, surge suppression |
| 0680001 150...250 V a.c.; glim lamp | 0664812 150...250 V a.c.; glim lamp |

Note: Light emitting gaskets cannot be used

5/2 directional control valves, solenoid actuated

| Symbol | Port size | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|---------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | Solenoid/spring | Internal | 750 | 3 ... 10 | - | 0,22 | 9 | V60A517A-A#* |
| | G1/4 | Solenoid/spring | Internal | 1300 | 3 ... 10 | - | 0,29 | 9 | V61B517A-A#* |
| | G3/8 | Solenoid/spring | Internal | 2600 | 3 ... 10 | - | 0,52 | 9 | V62C517A-A#* |
| | G1/2 | Solenoid/spring | Internal | 4500 | 3 ... 10 | - | 0,96 | 10 | V63D517A-A#* |
|  | G1/8 | Solenoid/air spring | Internal | 750 | 2 ... 10 | - | 0,24 | 11 | V60A513A-A#* |
| | G1/4 | Solenoid/air spring | Internal | 1300 | 2 ... 10 | - | 0,33 | 11 | V61B513A-A#* |
| | G3/8 | Solenoid/air spring | Internal | 2600 | 2 ... 10 | - | 0,62 | 11 | V62C513A-A#* |
| | G1/2 | Solenoid/air spring | Internal | 4500 | 3 ... 10 | - | 0,96 | 12 | V63D513A-A#* |
|  | G1/8 | Solenoid/air spring | External | 750 | -0,9 ... 10 | 3 ... 10 | 0,24 | 11 | V60A523A-A#* |
| | G1/4 | Solenoid/air spring | External | 1300 | -0,9 ... 10 | 3 ... 10 | 0,33 | 11 | V61B523A-A#* |
| | G3/8 | Solenoid/air spring | External | 2600 | -0,9 ... 10 | 3 ... 10 | 0,62 | 11 | V62C523A-A#* |
| | G1/2 | Solenoid/air spring | External | 4500 | -0,9 ... 10 | 3 ... 10 | 0,96 | 12 | V63D523A-A#* |
|  | G1/8 | Solenoid/Solenoid | Internal | 750 | 1,5 ... 10 | - | 0,33 | 13 | V60A511A-A#* |
| | G1/4 | Solenoid/Solenoid | Internal | 1300 | 1,5 ... 10 | - | 0,42 | 13 | V61B511A-A#* |
| | G3/8 | Solenoid/Solenoid | Internal | 2600 | 1,5 ... 10 | - | 0,72 | 13 | V62C511A-A#* |
| | G1/2 | Solenoid/Solenoid | Internal | 4500 | 2 ... 10 | - | 0,98 | 14 | V63D511A-A#* |

5/3 directional control valves, solenoid actuated

| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|----------|-------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | APB | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | - | 0,35 | 15 | V60A611A-A#* |
| | G1/4 | APB | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | - | 0,47 | 15 | V61B611A-A#* |
| | G3/8 | APB | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | - | 0,81 | 15 | V62C611A-A#* |
|  | G1/8 | APB | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A622A-A#* |
| | G1/4 | APB | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B622A-A#* |
| | G3/8 | APB | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C622A-A#* |
|  | G1/8 | COE | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | - | 0,35 | 15 | V60A711A-A#* |
| | G1/4 | COE | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | - | 0,47 | 15 | V61B711A-A#* |
| | G3/8 | COE | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | - | 0,81 | 15 | V62C711A-A#* |
|  | G1/8 | COE | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A722A-A#* |
| | G1/4 | COE | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B722A-A#* |
| | G3/8 | COE | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C722A-A#* |
|  | G1/8 | COP | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | - | 0,35 | 15 | V60A811A-A#* |
| | G1/4 | COP | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | - | 0,47 | 15 | V61B811A-A#* |
| | G3/8 | COP | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | - | 0,81 | 15 | V62C811A-A#* |
|  | G1/8 | COP | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A822A-A#* |
| | G1/4 | COP | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B822A-A#* |
| | G3/8 | COP | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C822A-A#* |

Insert code for manual override: 1 = without; 2 = push and turn, 3 = push only

*1) Insert voltage code from table on page before or 000 for version without solenoid

APB = All ports blocked

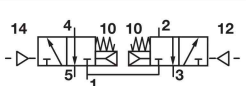
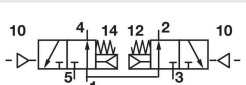
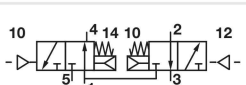
COE = Centre open exhaust

COP = Centre open pressure

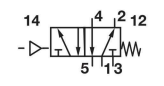
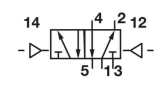
3/2 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|---|-----------|----------|------------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | NC | Air/Spring | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,13 | 31 | V60A4D7A-XA090 |
| | G1/4 | NC | Air/Spring | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,21 | 31 | V61B4D7A-XA090 |
| | G3/8 | NC | Air/Spring | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,43 | 33 | V62C4D7A-XA090 |
| | G1/2 | NC | Air/Spring | 4500 | -0,9 ... 16 | 3 ... 16 | 0,75 | 35 | V63D4D7A-XA090 |
|  | G1/8 | NO | Air/Spring | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,13 | 32 | V60A3D7A-XA090 |
| | G1/4 | NO | Air/Spring | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,21 | 32 | V61B3D7A-XA090 |
| | G3/8 | NO | Air/Spring | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,43 | 34 | V62C3D7A-XA090 |
| | G1/2 | NO | Air/Spring | 4500 | -0,9 ... 16 | 3 ... 16 | 0,75 | 36 | V63D3D7A-XA090 |
|  | G1/8 | - | Air/Air | 750 | -0,9 ... 10 | 1,5 ... 10 | 0,13 | 37 | V60A4DDA-XA020 |
| | G1/4 | - | Air/Air | 1300 | -0,9 ... 10 | 1,5 ... 10 | 0,21 | 37 | V61B4DDA-XA020 |
| | G3/8 | - | Air/Air | 2600 | -0,9 ... 10 | 1,5 ... 10 | 0,43 | 38 | V62C4DDA-XA020 |
| | G1/2 | - | Air/Air | 4500 | -0,9 ... 16 | 1,5 ... 16 | 0,68 | 39 | V63D4DDA-XA020 |

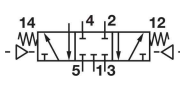
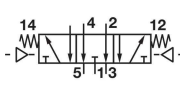
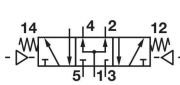
2 x 3/2 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|--|-----------|----------|-----------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | NC/NC | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60AADDA-XA020 |
| | G1/4 | NC/NC | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BADDA-XA020 |
| | G3/8 | NC/NC | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CADDA-XA020 |
|  | G1/8 | NO/NO | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60ABDDA-XA020 |
| | G1/4 | NO/NO | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BBDDA-XA020 |
| | G3/8 | NO/NO | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CBDDA-XA020 |
|  | G1/8 | NO/NC | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60ACDDA-XA020 |
| | G1/4 | NO/NC | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BCDDA-XA020 |
| | G3/8 | NO/NC | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CCDDA-XA020 |

5/2 directional control valves, pilot actuated

| Symbol | Port size | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|---|-----------|------------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | Air/Spring | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,16 | 40 | V60A5D7A-XA090 |
| | G1/4 | Air/Spring | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,26 | 40 | V61B5D7A-XA090 |
| | G3/8 | Air/Spring | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,56 | 41 | V62C5D7A-XA090 |
| | G1/2 | Air/Spring | 4500 | -0,9 ... 16 | 3 ... 16 | 0,92 | 42 | V63D5D7A-XA090 |
|  | G1/8 | Air/Air | 750 | -0,9 ... 10 | 1,5 ... 10 | 0,17 | 43 | V60A5DDA-XA020 |
| | G1/4 | Air/Air | 1300 | -0,9 ... 10 | 1,5 ... 10 | 0,27 | 43 | V61B5DDA-XA020 |
| | G3/8 | Air/Air | 2600 | -0,9 ... 10 | 1,5 ... 10 | 0,58 | 44 | V62C5DDA-XA020 |
| | G1/2 | Air/Air | 4500 | -0,9 ... 16 | 1,5 ... 16 | 0,87 | 45 | V63D5DDA-XA020 |

5/3 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|---|-----------|----------|-----------|--------------|--------------------------|-------------------------------|-------------|----------------|----------------|
|  | G1/8 | APB | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A6DDA-XA020 |
| | G1/4 | APB | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B6DDA-XA020 |
| | G3/8 | APB | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C6DDA-XA020 |
| | G1/2 | APB | Air/Air | 2300 | -0,9 ... 10 | 3 ... 10 | 1,10 | 48 | V63D6DDA-XA020 |
|  | G1/8 | COE | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A7DDA-XA020 |
| | G1/4 | COE | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B7DDA-XA020 |
| | G3/8 | COE | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C7DDA-XA020 |
|  | G1/2 | COE | Air/Air | 2300 | -0,9 ... 10 | 3 ... 10 | 1,10 | 48 | V63D7DDA-XA020 |
| | G1/8 | COP | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A8DDA-XA020 |
| | G1/4 | COP | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B8DDA-XA020 |
| G3/8 | COP | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C8DDA-XA020 | |

NC = Normally closed

NO = Normally open

NC/NC = Both valves normally closed (port P)

NO/NO = Both valves normally open (port P)

NO/NC = Valve normally open, 1 valve normally closed (port P)

APB = All ports blocked

COE = Centre open exhaust

COP = Centre open pressure

**Option selector
(directional control valves,
solenoid actuated)**
V6***A-A*******

| Valve size | Substitute |
|-----------------|------------|
| G1/8 | 0A |
| G1/4 | 1B |
| G3/8 | 2C |
| G1/2 | 3D |
| NPT-Valve size | Substitute |
| 1/8 NPT | 0P |
| 1/4 NPT | 1R |
| 3/8 NPT | 2S |
| 1/2 NPT | 3T |
| Function | Substitute |
| 3/2 - NO | 3 |
| 3/2 - NC | 4 |
| 5/2 | 5 |
| 5/3 - APB | 6 |
| 5/3 - COE | 7 |
| 5/3 - COP | 8 |
| 2 x 3/2 - NC | A |
| 2 x 3/2 - NO | B |
| 2 x 3/2 - NO/NC | C |




| Plug Interface | Substitute | |
|---|--------------|------------|
| 22 mm, industrial standard | J | |
| 22 mm, to EN 175301-803 (DIN 43650), Form B | L | |
| Voltage | Substitute | |
| 12 V d.c. 2 W | 12 | |
| 24 V d.c. 2 W | 13 | |
| 24 V a.c. (50/60 Hz) 4/2,5 VA | 14 | |
| 110/120 V a.c. (50/60 Hz) 4/2,5 VA | 18 | |
| 220/240 V a.c. (50/60 Hz) 6/5 VA | 19 | |
| Manual override | Substitute | |
| Without | 1 | |
| Push, locked position | 2 | |
| Push only | 3 | |
| Actuation/return | Pilot Supply | Substitute |
| Sol/Sol | Internal | 11 |
| Sol/air spring | Internal | 13 |
| Sol/spring | Internal | 17 |
| Sol/Sol | External | 22 |
| Sol/air spring | External | 23 |
| Sol/spring | External | 27 |

**Option selector
(directional control valves,
pilot actuated)**
V6**D*A-X*****0**

| Port size ISO G | Substitute |
|-----------------|------------|
| G1/8 | 0A |
| G1/4 | 1B |
| G3/8 | 2C |
| G1/2 | 3D |
| Port size NPT | Substitute |
| 1/8 NPT | 0P |
| 1/4 NPT | 1R |
| 3/8 NPT | 2S |
| 1/2 NPT | 3T |
| Function | Substitute |
| 3/2 - NO | 3 |
| 3/2 - NC | 4 |
| 5/2 | 5 |
| 5/3 - APB | 6 |
| 5/3 - COE | 7 |
| 5/3 - COP | 8 |
| 2 x 3/2 - NC | A |
| 2 x 3/2 - NO | B |
| 2 x 3/2 - NO/NC | C |

| Actuation/return | Substitute |
|------------------|------------|
| Air/Air | 02 |
| Air/Spring | 09 |
| Pilot port | Substitute |
| G1/8 | A |
| 1/8 NPT | P |
| Actuation/return | Substitute |
| Air/Air | D |
| Air/Spring | 7 |

Manifold system for common pressure supply (V60 and V61) – preferred solution for 3/2 valves


| | Manifold* 2 to 9 stations | 10 and 12 stations | Bracket for manifold | Blanking plug for unused valve station |
|---------------|---|--------------------|---|---|
| |  | |  |  |
| Series | Page 19 | Page 19 | Page 19 | |
| V60 | 263962 *1) | 263963 *2) | 0555485 | 0491586 |
| V61 | 263942 *1) | 263943 *2) | 0555484 | 0491587 |

* Supplied with bolt and sealing washers






*1) Insert station code after model numbers: 2, 3, 4, 5, 6, 7 and 8

*2) Insert station code after model numbers: 9 (for V61 only), O for 10 and 2 for 12



Sub-base – available for 2 x 3/2, 5/2, 5/3 valves

| | Valve stations 2 | 3 | 4 | 6 | 12 |
|---------------|---|----------------|----------------|----------------|----------------|
| |  | | | | |
| Series | Page 17 | Page 17 | Page 17 | Page 17 | Page 17 |
| V60 | 2221002 | 2221003 | 2221004 | 2221006 | 2221012 |
| V61 | 2221102 | 2221103 | 2221104 | 2221106 | 2221112 |
| V62 | 2221202 | 2221203 | 2221204 | 2221206 | 2221212 |

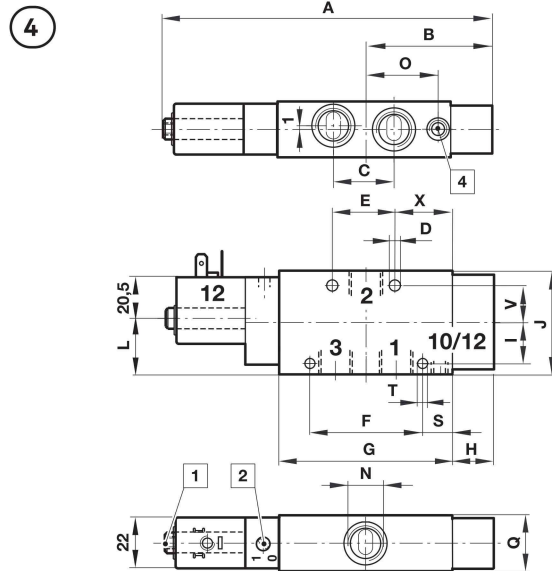
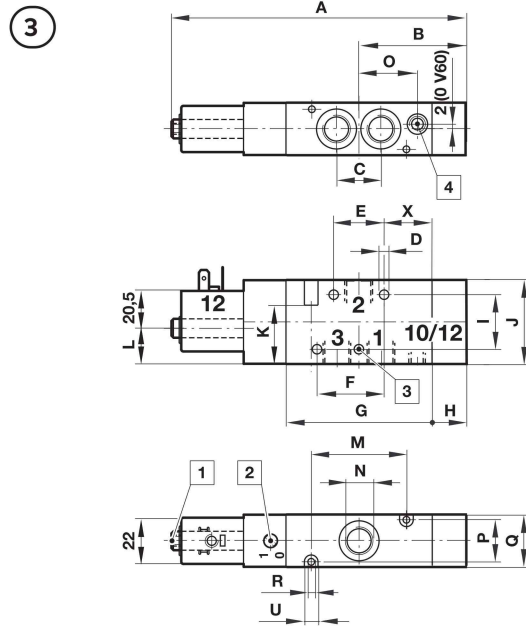
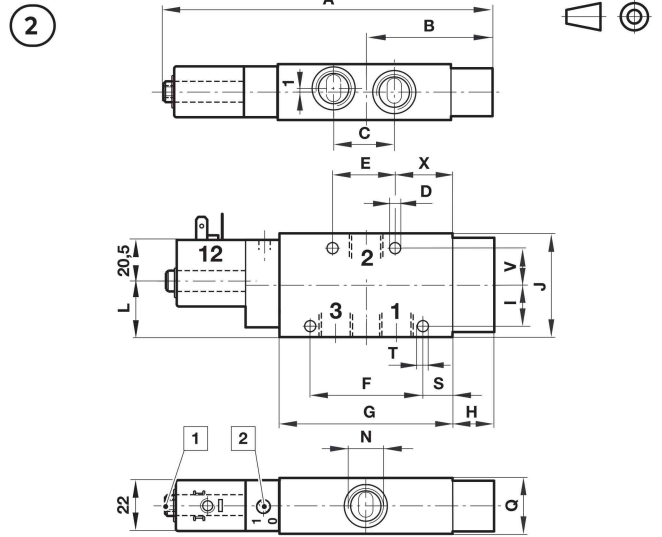
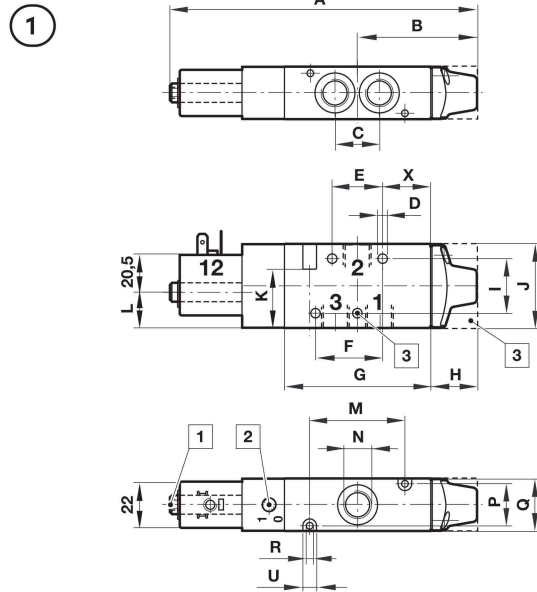
Accessories for sub-bases

| | Blanking plate | Blanking plug for 2 station and 3 station manifolds | Pressure shut-off for 4 station up to 12 station manifolds | Pressure shut-off for ports 3 & 5 (R & S) | DIN rail mounting kit |
|---------------|---|---|---|---|--|
| |  |  |  |  |  |
| Series | | | Page 17 | Page 17 | Page 18 |
| V60 | 0100561 | 0701208 | 0100567 | 0110236 | 0101796 |
| V61 | 0100563 | 0701209 | 0100569 | 0110237 | 0101796 |
| V62 | 0100565 | 0701210 | 0100571 | 0110238 | 0101796 |

Coil accessories

| Diffusor for pilot exhaust | Circlip for coil fixing |
|---|---|
|  |  |
| 81110800 | 81021600 |

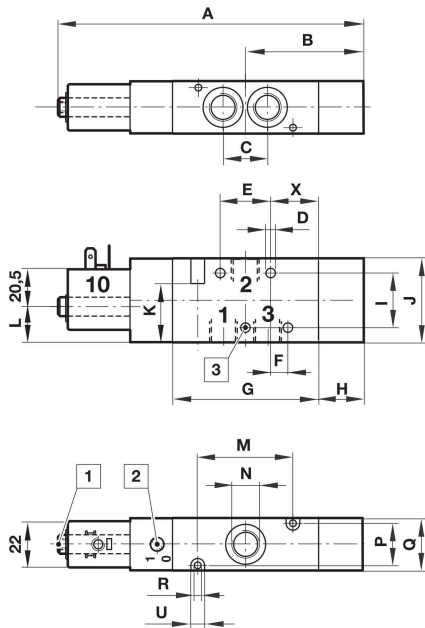
Dimensions

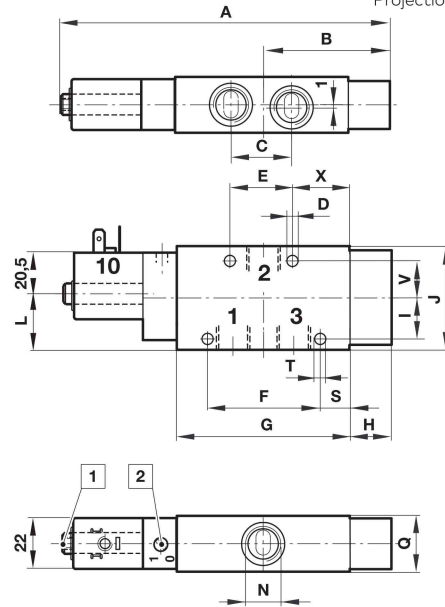
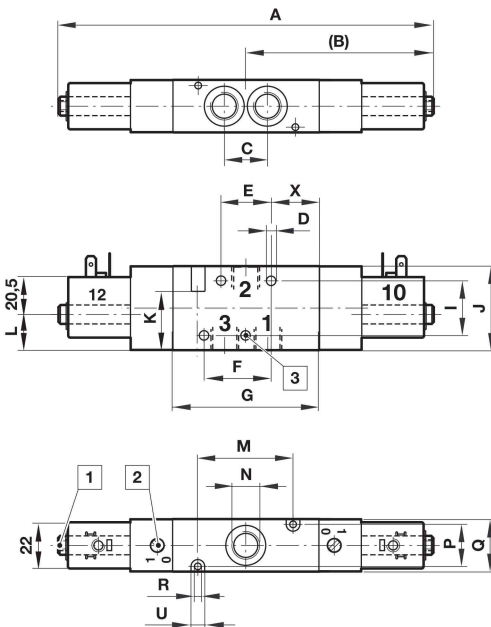
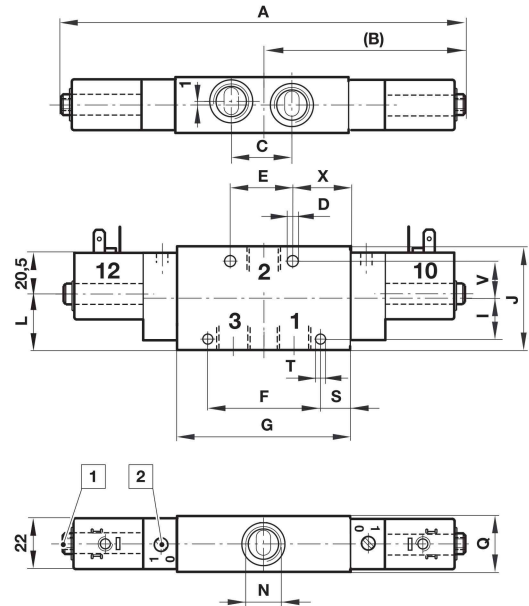
 Dimensions in mm
 Projection/First angle


- 1 Collected pilot exhaust (M5)
- 2 Manual Override

- 3 V62: Central mounting hole (left hole is not applicable) and square end cover
- 4 External pilot port, M5 or 10-32 UNF (V60, V61 & V62), G1/8 or 1/8-27 NPT (V63)

| No. | A | B | C | ØD | E | F | G | H | I | J | K | L | M | N | O | P | Q | ØR | S | ØT | ØU | V | X | Model |
|-----|-------|------|------|-----|----|----|------|------|----|----|----|----|----|------|----|----|----|-----|------|-----|-----|----|----|--------------|
| 1 | 125 | 45 | 16 | 4,5 | 18 | 25 | 56 | 17 | 26 | 35 | 28 | 12 | 35 | G1/8 | — | 17 | 22 | 3,2 | — | — | 6,5 | — | 19 | V60A417A—... |
| 1 | 147 | 57,5 | 21 | 4,5 | 24 | 32 | 70 | 22,5 | 26 | 40 | 28 | 17 | 46 | G1/4 | — | 20 | 25 | 3,2 | — | — | 6,5 | — | 23 | V61B417A—... |
| 1 | 166,5 | 70 | 24,5 | 4,5 | 26 | — | 83,5 | 28 | 36 | 55 | 44 | 32 | 54 | G3/8 | — | 28 | 34 | 4,5 | — | — | 8,0 | 23 | 30 | V62C417A—... |
| 2 | 197 | 87,5 | 38 | 7 | 46 | 75 | 108 | 33,5 | 26 | 65 | — | 38 | — | G1/2 | — | — | 35 | — | 18,5 | 5,5 | — | — | 36 | V63D417A—... |
| 3 | 116,5 | 37 | 16 | 4,5 | 18 | 25 | 56 | 9 | 26 | 35 | 28 | 12 | 35 | G1/8 | — | 17 | 22 | 3,2 | — | — | 6,5 | — | 19 | V60A413A—... |
| 3 | 132,5 | 43 | 21 | 4,5 | 24 | 32 | 70 | 8 | 26 | 40 | 28 | 17 | 46 | G1/4 | — | 20 | 25 | 3,2 | — | — | 6,5 | — | 23 | V61B413A—... |
| 3 | 147 | 50,5 | 24,5 | 4,5 | 26 | — | 83,5 | 9 | 36 | 55 | 44 | 32 | 54 | G3/8 | — | 28 | 34 | 4,5 | — | — | 8,0 | — | 30 | V62C413A—... |
| 3 | 116,5 | 37 | 16 | 4,5 | 18 | 25 | 56 | 9 | 26 | 35 | 28 | 12 | 35 | G1/8 | 22 | 17 | 22 | 3,2 | — | — | 6,5 | — | 19 | V60A423A—... |
| 3 | 132,5 | 43 | 21 | 4,5 | 24 | 32 | 70 | 8 | 26 | 40 | 28 | 17 | 46 | G1/4 | 29 | 20 | 25 | 3,2 | — | — | 6,5 | — | 23 | V61B423A—... |
| 3 | 147 | 50,5 | 24,5 | 4,5 | 26 | — | 83,5 | 9 | 36 | 55 | 44 | 32 | 54 | G3/8 | — | 28 | 34 | 4,5 | — | — | 8,0 | — | 30 | V62C423A—... |
| 4 | 190 | 80 | 38 | 7,0 | 46 | 75 | 108 | 26 | 26 | 65 | — | 38 | — | G1/2 | — | — | 35 | — | 18,5 | 5,5 | — | 23 | 36 | V63D413A—... |
| 4 | 190 | 80 | 38 | 7,0 | 46 | 75 | 108 | 26 | 26 | 65 | — | 38 | — | G1/2 | 45 | — | 35 | — | 18,5 | 5,5 | — | 23 | 36 | V63D423A—... |

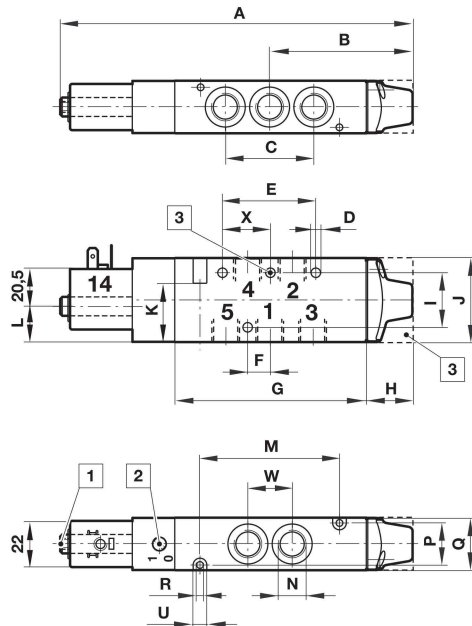
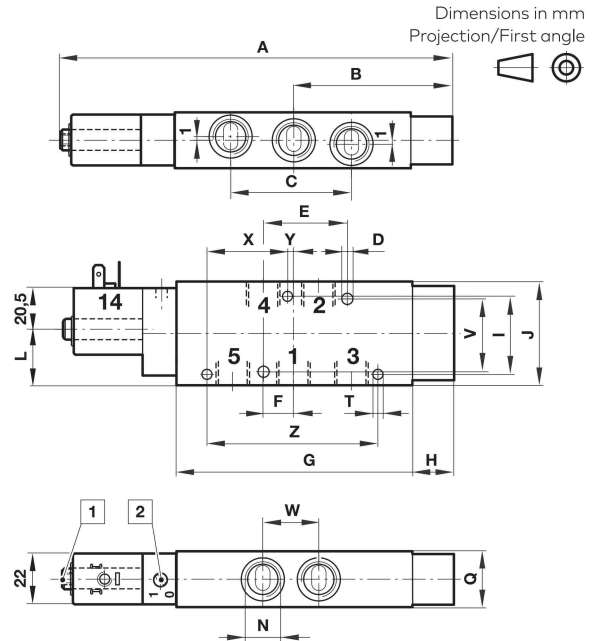
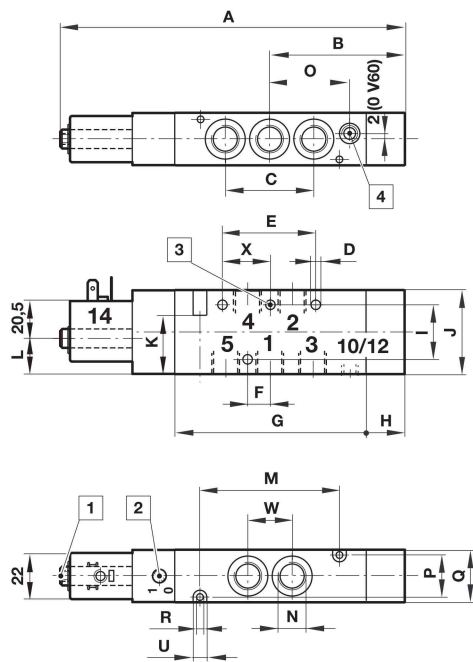
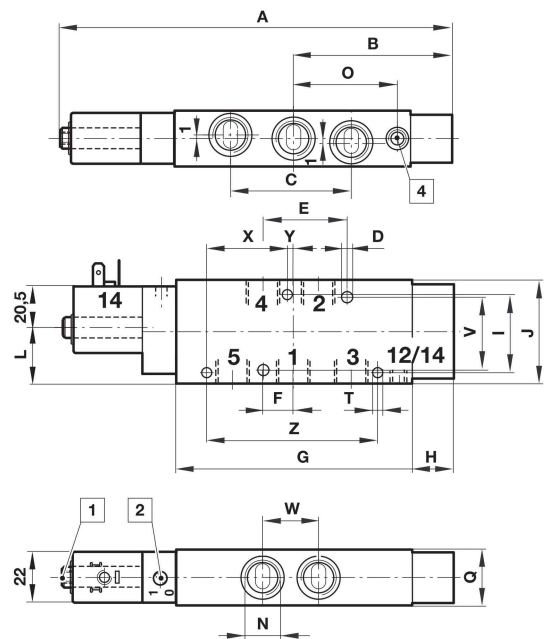
5

6

 Dimensions in mm
 Projection/First angle

7

8

1 Collected pilot exhaust (M5)

2 Manual Override

3 V62: Central mounting hole (left hole is not applicable) and square end cover

| No. | A | B | C | ØD | E | F | G | H | I | J | K | L | M | N | P | Q | ØR | S | ØT | ØU | V | X | Model |
|-----|-------|-------|------|-----|----|----|------|----|----|----|----|----|----|------|----|----|-----|------|-----|-----|----|----|--------------|
| 5 | 116,5 | 37 | 16 | 4,5 | 18 | 7 | 56 | 9 | 26 | 35 | 28 | 12 | 35 | G1/8 | 17 | 22 | 3,2 | — | — | 6,5 | — | 19 | V60A313A—... |
| 5 | 132,5 | 43 | 21 | 4,5 | 24 | 8 | 70 | 8 | 26 | 40 | 28 | 17 | 46 | G1/4 | 20 | 25 | 3,2 | — | — | 6,5 | — | 23 | V61B313A—... |
| 5 | 147 | 50,5 | 24,5 | 4,5 | 26 | — | 83,5 | 9 | 36 | 55 | 44 | 32 | 54 | G3/8 | 28 | 34 | 4,5 | — | — | 8,0 | — | 28 | V62C313A—... |
| 6 | 190 | 80 | 38 | 7,0 | 46 | 75 | 108 | 26 | 26 | 65 | — | 38 | — | G1/2 | — | 35 | — | 14,5 | 5,5 | — | 23 | 26 | V63D313A—... |
| 7 | 159,5 | 79,5 | 16 | 4,5 | 18 | 25 | 56 | — | 26 | 35 | 28 | 12 | 35 | G1/8 | 17 | 22 | 3,2 | — | — | 6,5 | — | 19 | V60A411A—... |
| 7 | 179 | 89,5 | 21 | 4,5 | 24 | 32 | 70 | — | 26 | 40 | 28 | 17 | 46 | G1/4 | 20 | 25 | 3,2 | — | — | 6,5 | — | 23 | V61B411A—... |
| 7 | 193,5 | 97 | 24,5 | 4,5 | 26 | — | 83,5 | — | 36 | 55 | 44 | 32 | 54 | G3/8 | 28 | 34 | 4,5 | — | — | 8,0 | — | 30 | V62C411A—... |
| 8 | 219 | 109,5 | 38 | 7,0 | 46 | 75 | 108 | — | 26 | 65 | — | 38 | — | G1/2 | — | 35 | — | 18,5 | 5,5 | — | 23 | 36 | V63D411A—... |

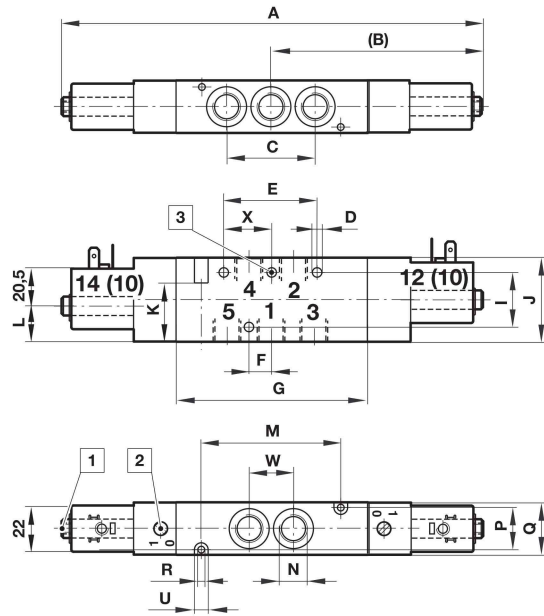
9

10

11

12

1 Collected pilot exhaust (M5)

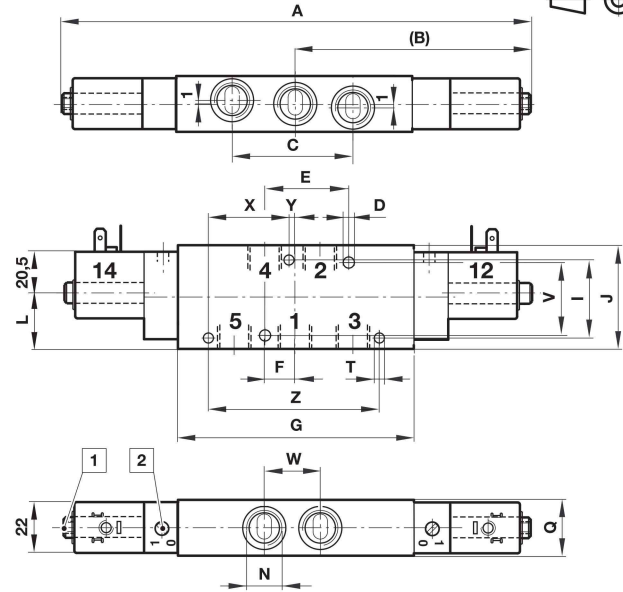
2 Manual Override

3 V62: Central mounting hole (left hole is not applicable) and square end cover

4 External pilot port, M5 or 10-32 UNF (V60, V61 & V62), G1/8 or 1/8-27 NPT (V63)

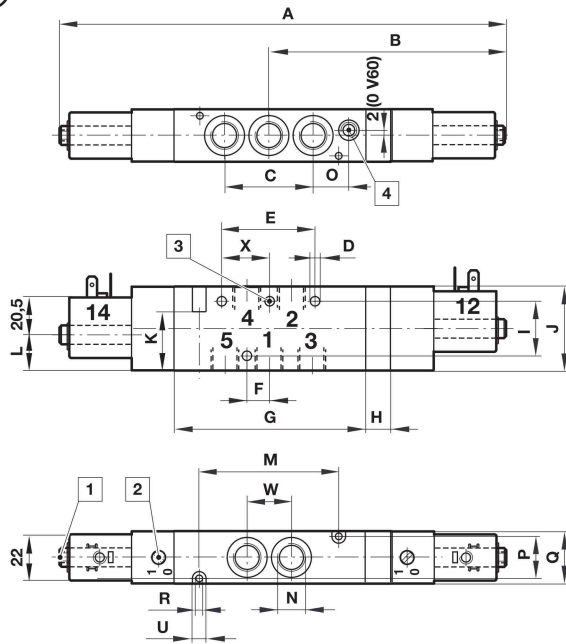
| No. | A | B | C | ØD | E | F | G | H | I | J | K | L | M | N | O | P | Q | ØR | ØT | ØU | V | W | X | Y | Z | Model |
|-----|-------|-------|------|-----|------|----|-----|------|----|----|----|----|----|------|------|----|----|-----|-----|-----|----|------|------|---|-----|--------------|
| 9 | 140 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 17 | 26 | 35 | 28 | 12 | 50 | G1/8 | — | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60A517A—... |
| 9 | 167 | 67,5 | 42 | 4,5 | 44 | 10 | 90 | 22,5 | 26 | 40 | 28 | 17 | 66 | G1/4 | — | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61B517A—... |
| 9 | 191 | 82 | 49 | 4,5 | — | 12 | 108 | 28 | 36 | 55 | 44 | 32 | 78 | G3/8 | — | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62C517A—... |
| 10 | 235 | 106,5 | 76 | 7,0 | 60 | 19 | 146 | 33,5 | 52 | 65 | — | 38 | — | G1/2 | — | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 3 | 115 | V63D517A—... |
| 11 | 132 | 44,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 9 | 26 | 35 | 28 | 12 | 50 | G1/8 | — | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60A513A—... |
| 11 | 153 | 53 | 42 | 4,5 | 44 | 10 | 90 | 8 | 26 | 40 | 28 | 17 | 66 | G1/4 | — | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61B513A—... |
| 11 | 171,5 | 62,5 | 49 | 4,5 | — | 12 | 108 | 8,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | — | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62C513A—... |
| 12 | 228 | 99 | 76 | 7,0 | 60 | 19 | 146 | 26 | 52 | 65 | — | 38 | — | G1/2 | — | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 3 | 115 | V63D513A—... |
| 11 | 132 | 44,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 9 | 26 | 35 | 28 | 12 | 50 | G1/8 | 29,5 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60A523A—... |
| 11 | 153 | 53 | 42 | 4,5 | 44 | 10 | 90 | 8 | 26 | 40 | 28 | 17 | 66 | G1/4 | 39 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61B523A—... |
| 11 | 171,5 | 62,5 | 49 | 4,5 | — | 12 | 108 | 8,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 48 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62C523A—... |
| 12 | 228 | 99 | 76 | 7,0 | 60 | 19 | 146 | 26 | 52 | 65 | — | 38 | — | G1/2 | 64 | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 3 | 115 | V63D523A—... |

13

14

 Dimensions in mm
 Projection/First angle


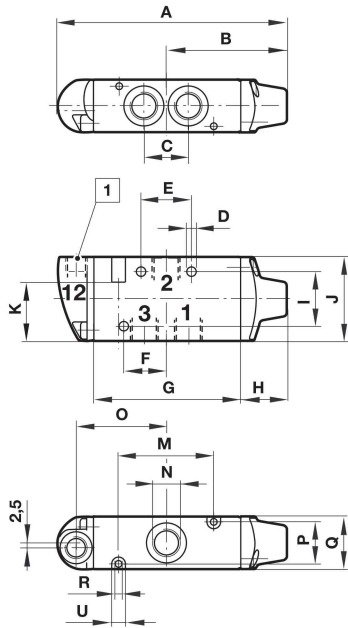
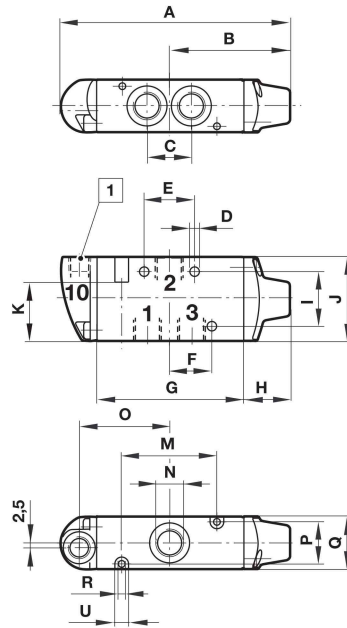
- 1** Collected pilot exhaust (M5)
- 2** Manual Override
- 3** V62: Central mounting hole (left hole is not applicable)

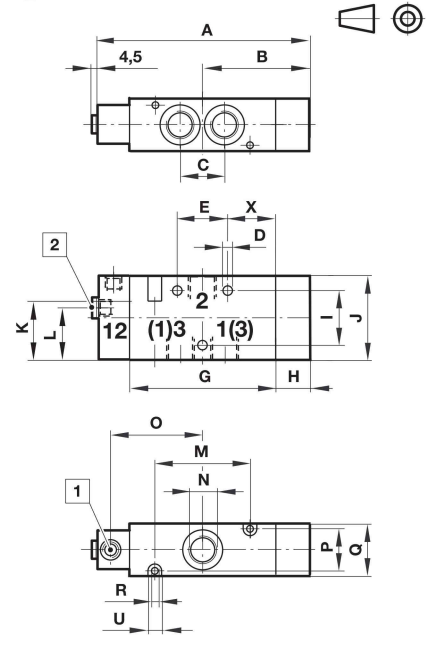
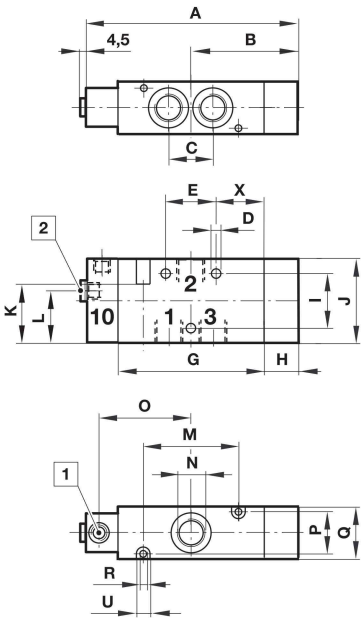
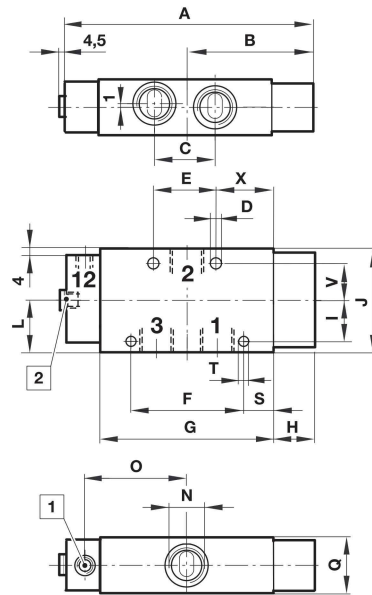
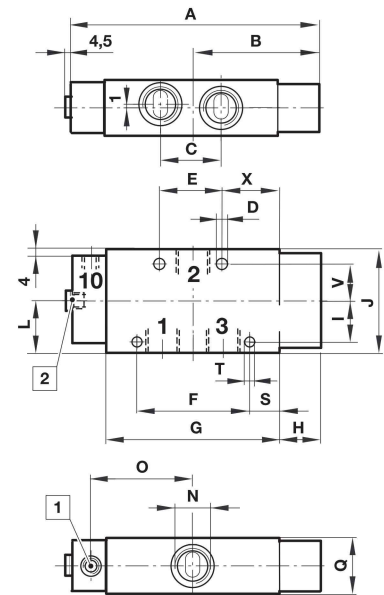
| No. | A | B | C | ØD | E | F | G | I | J | K | L | M | N | P | Q | ØR | ØT | ØU | V | W | X | Y | Z | Model |
|-----|-------|-------|------|-----|------|----|-----|----|----|----|----|----|------|----|----|-----|-----|-----|----|------|------|---|-----|--------------|
| 13 | 174,5 | 87,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 26 | 35 | 28 | 12 | 50 | G1/8 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60A511A—... |
| 13 | 174,5 | 87,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 26 | 35 | 28 | 12 | 50 | G1/8 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60AA11A—... |
| 13 | 174,5 | 87,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 26 | 35 | 28 | 12 | 50 | G1/8 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60AB11A—... |
| 13 | 174,5 | 87,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 26 | 35 | 28 | 12 | 50 | G1/8 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | 17 | — | — | V60AC11A—... |
| 13 | 199 | 99,5 | 42 | 4,5 | 44 | 10 | 90 | 26 | 40 | 28 | 17 | 66 | G1/4 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61B511A—... |
| 13 | 199 | 99,5 | 42 | 4,5 | 44 | 10 | 90 | 26 | 40 | 28 | 17 | 66 | G1/4 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61BA11A—... |
| 13 | 199 | 99,5 | 42 | 4,5 | 44 | 10 | 90 | 26 | 40 | 28 | 17 | 66 | G1/4 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61BB11A—... |
| 13 | 199 | 99,5 | 42 | 4,5 | 44 | 10 | 90 | 26 | 40 | 28 | 17 | 66 | G1/4 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | 22 | — | — | V61BC11A—... |
| 13 | 218 | 109 | 49 | 4,5 | — | 12 | 108 | 36 | 55 | 44 | 32 | 78 | G3/8 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62C511A—... |
| 13 | 218 | 109 | 49 | 4,5 | — | 12 | 108 | 36 | 55 | 44 | 32 | 78 | G3/8 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62CA11A—... |
| 13 | 218 | 109 | 49 | 4,5 | — | 12 | 108 | 36 | 55 | 44 | 32 | 78 | G3/8 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62CB11A—... |
| 13 | 218 | 109 | 49 | 4,5 | — | 12 | 108 | 36 | 55 | 44 | 32 | 78 | G3/8 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | 26 | — | — | V62CC11A—... |
| 14 | 257 | 128,5 | 76 | 7,0 | 60 | 19 | 146 | 52 | 65 | — | 38 | — | G1/2 | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 3 | 115 | V63D511A—... |

15

 Dimensions in mm
 Projection/First angle


- 1** Collected pilot exhaust (M5)
- 2** Manual Override
- 3** V62: Central mounting hole (left hole is not applicable) and square end cover
- 4** External pilot port, M5 or 10-32 UNF (V60, V61 & V62)

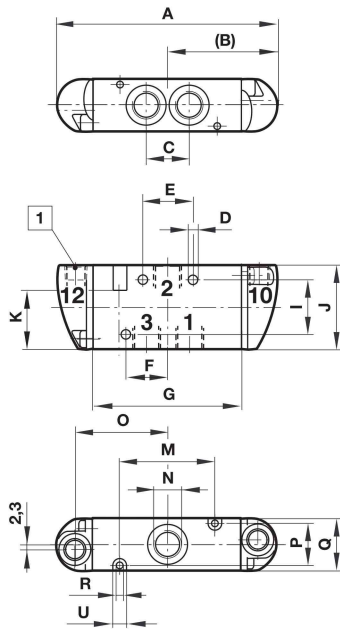
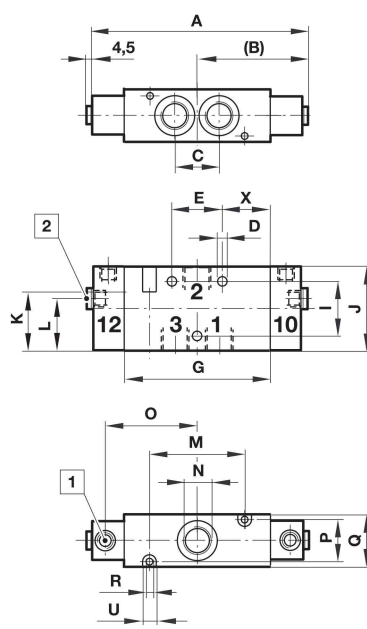
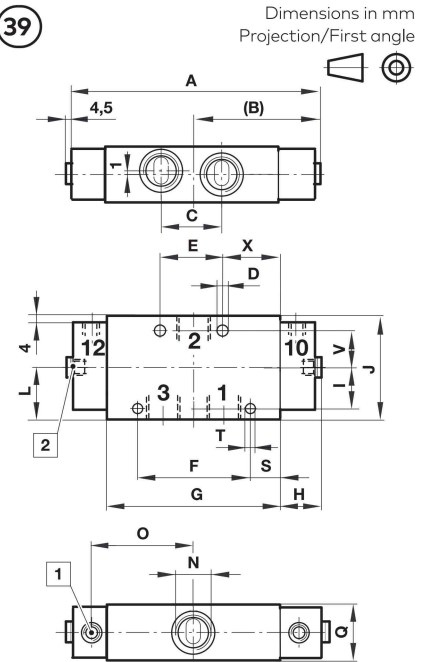
| No. | A | B | C | ØD | E | F | G | H | I | J | K | L | M | N | O | P | Q | ØR | ØU | W | X | Model |
|-----|-------|-------|------|-----|------|----|-----|------|----|----|----|----|----|------|------|----|----|-----|-----|------|----|--------------|
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A611A—... |
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A622A—... |
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A711A—... |
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A722A—... |
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A811A—... |
| 15 | 188,5 | 101,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | 12 | 50 | G1/8 | 13 | 17 | 22 | 3,2 | 6,5 | 16 | 17 | V60A822A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B611A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B622A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B711A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B722A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B811A—... |
| 15 | 217 | 117,5 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | 17 | 66 | G1/4 | 18 | 20 | 25 | 3,2 | 6,5 | 21 | 22 | V61B822A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C611A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C622A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C711A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C722A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C811A—... |
| 15 | 240,5 | 131,5 | 49 | 4,5 | — | 12 | 108 | 22,5 | 36 | 55 | 44 | 32 | 78 | G3/8 | 23,5 | 28 | 34 | 4,5 | 8 | 24,5 | 26 | V62C811A—... |

31

32

33

 Dimensions in mm
 Projection/First angle

34

35

36

1 Pilot ports G1/8 or 1/8-27 NPT

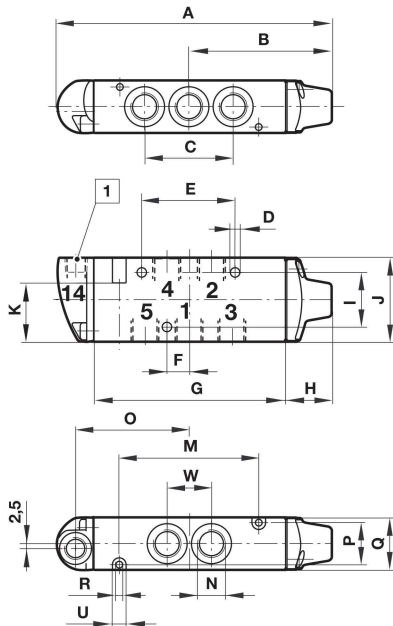
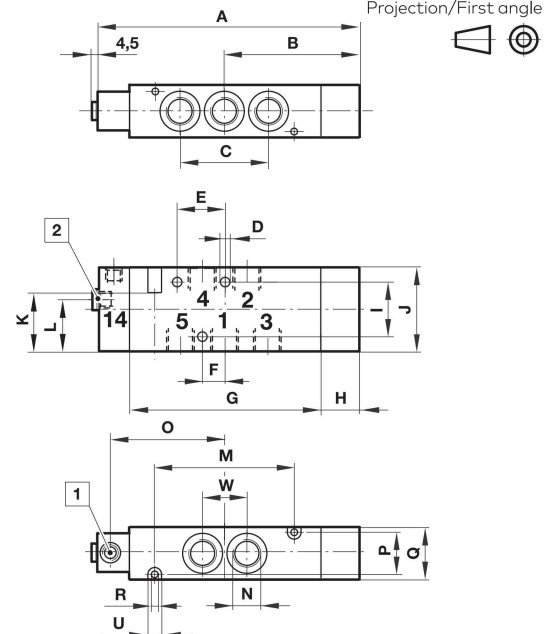
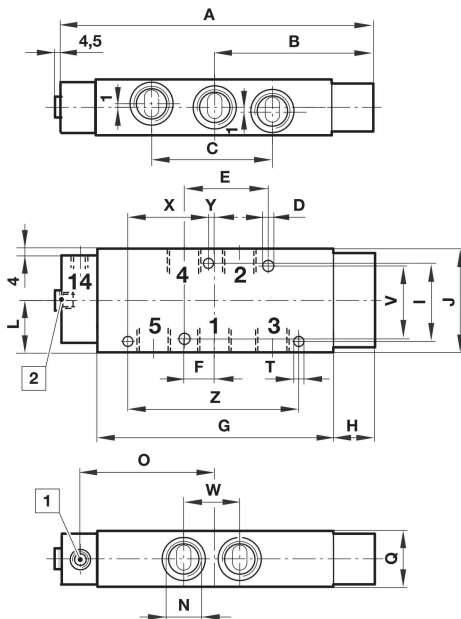
2 Alternative pilot ports G1/8 or 1/8-27 NPT

| No. | A | B | C | ØD | E | F | G | H | I | J | K | L | M | N | O | P | Q | ØR | S | ØT | ØU | V | X | Model | |
|-----|------|------|------|-----|----|----|------|------|----|----|----|------|----|------|----|----|----|-----|------|-----|-----|----|----|-------|--------------|
| 31 | 89,5 | 45 | 16 | 4,5 | 18 | 16 | 56 | 17 | 26 | 35 | 28 | — | 35 | G1/8 | 36 | 17 | 22 | 3,2 | — | — | 6,5 | — | — | — | V60A4D7A—... |
| 31 | 110 | 57,5 | 21 | 4,5 | 24 | 20 | 70 | 22,5 | 26 | 40 | 28 | — | 46 | G1/4 | 43 | 20 | 25 | 3,2 | — | — | 6,5 | — | — | — | V61B4D7A—... |
| 32 | 89,5 | 45 | 16 | 4,5 | 18 | 16 | 56 | 17 | 26 | 35 | 28 | — | 35 | G1/8 | 36 | 17 | 22 | 3,2 | — | — | 6,5 | — | — | — | V60A3D7A—... |
| 32 | 110 | 57,5 | 21 | 4,5 | 24 | 20 | 70 | 22,5 | 26 | 40 | 28 | — | 46 | G1/4 | 43 | 20 | 25 | 3,2 | — | — | 6,5 | — | — | — | V61B3D7A—... |
| 33 | 132 | 70 | 24,5 | 4,5 | 26 | — | 83,5 | 28 | 36 | 55 | — | 33,5 | 54 | G3/8 | 52 | 28 | 34 | 4,5 | — | — | 8,0 | — | 30 | — | V62C4D7A—... |
| 34 | 132 | 70 | 24,5 | 4,5 | 26 | — | 83,5 | 28 | 36 | 55 | — | 33,5 | 54 | G3/8 | 52 | 28 | 34 | 4,5 | — | — | 8,0 | — | 28 | — | V62C3D7A—... |
| 35 | 162 | 87,5 | 38 | 7,0 | 46 | 75 | 108 | 33,5 | 26 | 65 | — | 39,5 | — | G1/2 | 64 | — | 35 | — | 18,5 | 5,5 | — | 23 | 36 | — | V63D4D7A—... |
| 36 | 162 | 87,5 | 38 | 7,0 | 46 | 75 | 108 | 33,5 | 26 | 65 | — | 39,5 | — | G1/2 | 64 | — | 35 | — | 14,5 | 5,5 | — | 23 | 26 | — | V63D3D7A—... |

37

38

39

1 Pilot ports G1/8 or 1/8-27 NPT

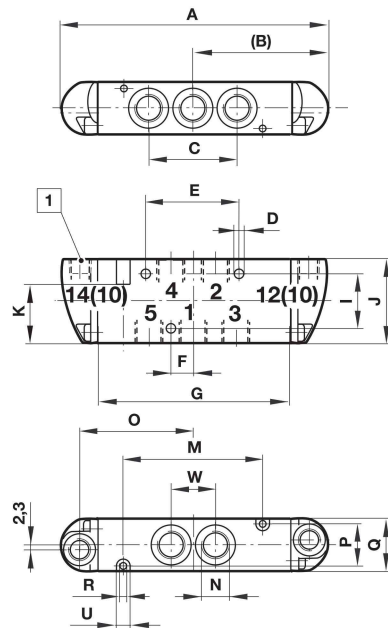
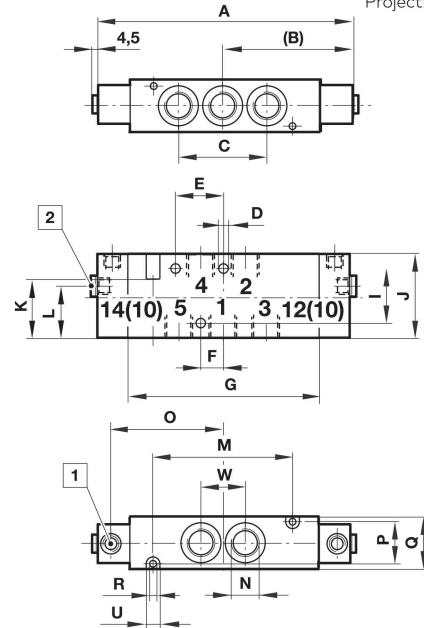
2 Alternative pilot ports G1/8 or 1/8-27 NPT

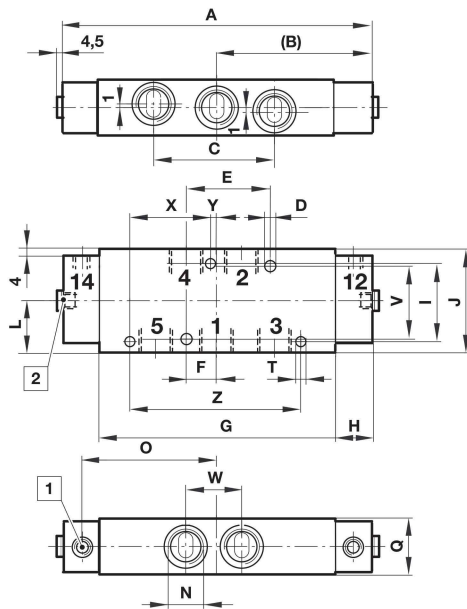
| No. | A | B | C | D | E | F | G | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | X | Model |
|-----|-----|------|------|-----|----|----|------|----|----|----|------|----|------|----|----|----|-----|------|-----|-----|----|----|--------------|
| 37 | 89 | 44,5 | 16 | 4,5 | 18 | 16 | 56 | 26 | 35 | 28 | — | 35 | G1/8 | 36 | 17 | 22 | 3,2 | — | — | 6,5 | — | — | V60A4DDA—... |
| 37 | 104 | 52 | 21 | 4,5 | 24 | 20 | 70 | 26 | 40 | 28 | — | 46 | G1/4 | 43 | 20 | 25 | 3,2 | — | — | 6,5 | — | — | V61B4DDA—... |
| 38 | 124 | 62 | 24,5 | 4,5 | 26 | — | 83,5 | 36 | 55 | 44 | 33,5 | 54 | G3/8 | 52 | 28 | 34 | 4,5 | — | — | 8,0 | — | 30 | V62C4DDA—... |
| 39 | 148 | 74 | 38 | 7,0 | 46 | 75 | 108 | 26 | 65 | — | 39,5 | — | G1/2 | 64 | — | 35 | — | 18,5 | 5,5 | — | 23 | 36 | V63D4DDA—... |

40

41

42

1 Pilot ports G1/8 or 1/8-27 NPT

2 Alternative pilot ports G1/8 or 1/8-27 NPT

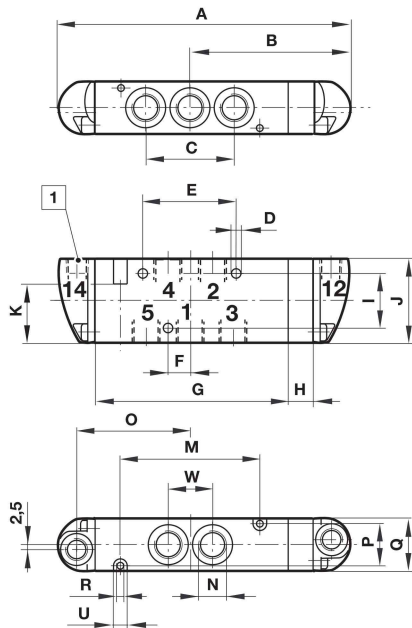
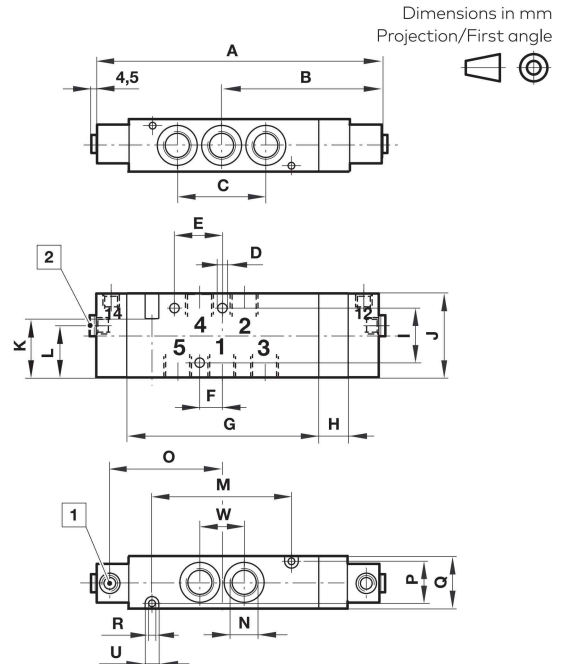
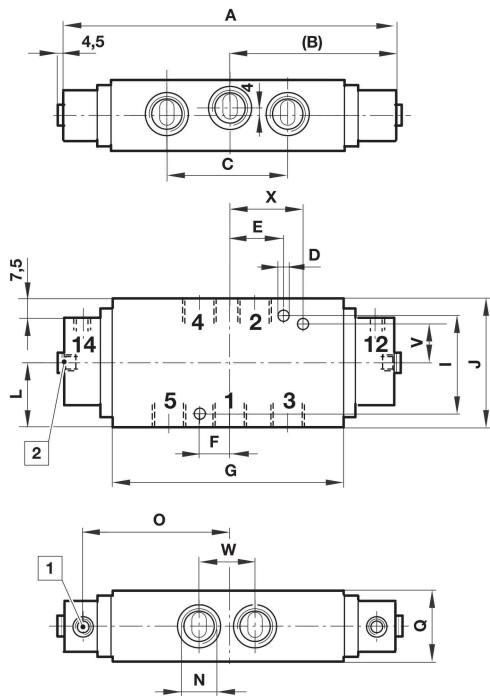
| No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | T | U | V | W | X | Y | Z | Model |
|-----|-----|-------|------|-----|------|----|-----|------|----|----|----|------|----|------|------|----|----|-----|-----|-----|----|------|------|---|-----|--------------|
| 40 | 105 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | 17 | 26 | 35 | 28 | — | 50 | G1/8 | 43,5 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | — | — | — | V60A5D7A—... |
| 40 | 130 | 67,5 | 42 | 4,5 | 44 | 10 | 90 | 22,5 | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | — | — | — | V61B5D7A—... |
| 41 | 156 | 82 | 49 | 4,5 | 26 | 12 | 108 | 28 | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | — | — | — | V62C5D7A—... |
| 42 | 200 | 106,5 | 76 | 7,0 | 60 | 19 | 146 | 33,5 | 52 | 65 | — | 39,5 | — | G1/2 | 83 | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 3 | 115 | V63D5D7A—... |

43

44

 Dimensions in mm
 Projection/First angle

45


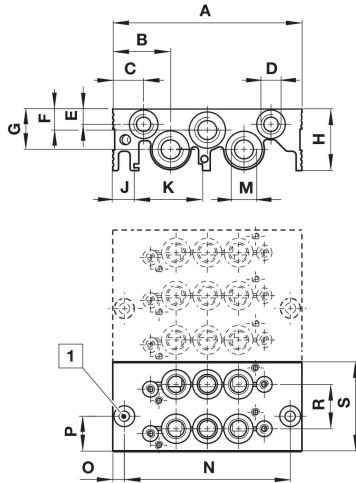
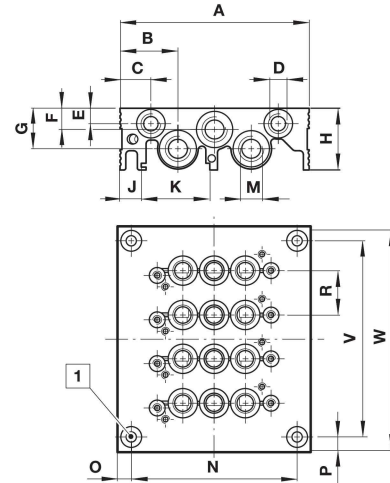
- 1 Pilot ports G1/8 or 1/8-27 NPT
- 2 Alternative pilot ports G1/8 or 1/8-27 NPT

| No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | T | U | V | W | X | Z | Model |
|-----|-------|------|------|-----|------|----|-----|---|----|----|----|------|----|------|----|----|----|-----|-----|-----|----|------|------|-----|--------------|
| 43 | 104,5 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | — | 26 | 35 | 28 | — | 50 | G1/8 | 44 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | — | — | V60A5DDA—... |
| 43 | 104,5 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | — | 26 | 35 | 28 | — | 50 | G1/8 | 44 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | — | — | V60AADDA—... |
| 43 | 104,5 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | — | 26 | 35 | 28 | — | 50 | G1/8 | 44 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | — | — | V60ABDDA—... |
| 43 | 104,5 | 52,5 | 32,5 | 4,5 | 33,5 | 8 | 71 | — | 26 | 35 | 28 | — | 50 | G1/8 | 44 | 17 | 22 | 3,2 | — | 6,5 | — | 16 | — | — | V60ACDDA—... |
| 43 | 124 | 62 | 42 | 4,5 | 44 | 10 | 90 | — | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | — | — | V61B5DDA—... |
| 43 | 124 | 62 | 42 | 4,5 | 44 | 10 | 90 | — | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | — | — | V61BDDA—... |
| 43 | 124 | 62 | 42 | 4,5 | 44 | 10 | 90 | — | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | — | 6,5 | — | 21 | — | — | V61BCDDA—... |
| 44 | 148 | 74 | 49 | 4,5 | 26 | 12 | 108 | — | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | — | — | V62C5DDA—... |
| 44 | 148 | 74 | 49 | 4,5 | 26 | 12 | 108 | — | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | — | — | V62CADDA—... |
| 44 | 148 | 74 | 49 | 4,5 | 26 | 12 | 108 | — | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | — | — | V62CBDDA—... |
| 44 | 148 | 74 | 49 | 4,5 | 26 | 12 | 108 | — | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | — | 8,0 | — | 24,5 | — | — | V62CCDDA—... |
| 45 | 186 | 93 | 76 | 7,0 | 60 | 19 | 146 | — | 52 | 65 | — | 39,5 | — | G1/2 | 83 | — | 35 | — | 5,5 | — | 46 | 38 | 57,5 | 115 | V63D5DDA—... |

46

47

48


- 1 Pilot ports G1/8 or 1/8-27 NPT
- 2 Alternative pilot ports G1/8 or 1/8-27 NPT

| No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | U | V | W | X | Model |
|-----|-------|------|------|-----|------|----|-----|------|----|----|----|------|----|------|------|----|----|-----|-----|----|------|----|-------------|
| 46 | 118,5 | 66 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | — | 50 | G1/8 | 43,5 | 17 | 22 | 3,2 | 6,5 | — | 16 | — | V60A6DDA... |
| 46 | 118,5 | 66 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | — | 50 | G1/8 | 43,5 | 17 | 22 | 3,2 | 6,5 | — | 16 | — | V60A7DDA... |
| 46 | 118,5 | 66 | 32,5 | 4,5 | 33,5 | 8 | 71 | 14 | 26 | 35 | 28 | — | 50 | G1/8 | 43,5 | 17 | 22 | 3,2 | 6,5 | — | 16 | — | V60A8DDA... |
| 46 | 142 | 80 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | 6,5 | — | 21 | — | V61B6DDA... |
| 46 | 142 | 80 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | 6,5 | — | 21 | — | V61B7DDA... |
| 46 | 142 | 80 | 42 | 4,5 | 44 | 10 | 90 | 18 | 26 | 40 | 28 | — | 66 | G1/4 | 53 | 20 | 25 | 3,2 | 6,5 | — | 21 | — | V61B8DDA... |
| 47 | 170,5 | 96,5 | 49 | 4,5 | 26 | 12 | 108 | 22,5 | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | 8,0 | — | 24,5 | — | V62C6DDA... |
| 47 | 170,5 | 96,5 | 49 | 4,5 | 26 | 12 | 108 | 22,5 | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | 8,0 | — | 24,5 | — | V62C7DDA... |
| 47 | 170,5 | 96,5 | 49 | 4,5 | 26 | 12 | 108 | 22,5 | 36 | 55 | 44 | 33,5 | 78 | G3/8 | 64 | 28 | 34 | 4,5 | 8,0 | — | 24,5 | — | V62C8DDA... |
| 48 | 216 | 108 | 66 | 7,0 | 34 | 16 | 160 | — | 50 | 70 | — | 41 | — | G1/2 | 98 | — | 40 | — | — | 21 | 33 | 44 | V63D6DDA... |
| 48 | 216 | 108 | 66 | 7,0 | 34 | 16 | 160 | — | 50 | 70 | — | 41 | — | G1/2 | 98 | — | 40 | — | — | 21 | 33 | 44 | V63D7DDA... |

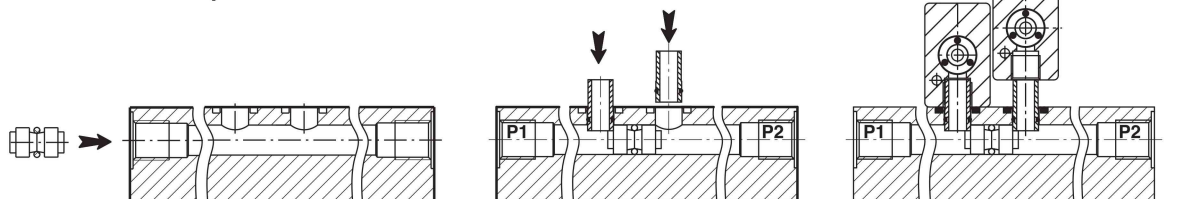
Sub bases 2 and 3 stations

Sub bases 4 to 12 stations

 Dimensions in mm
 Projection/First angle


1 For M5 bolts only

| Series | Valve—stations | A | B | C | D | E | F | G | H | J | K | M | N | O | P | R | S | V *2) | W *2) | Weight (kg) *2) | Model |
|--------|----------------|-----|----|----|------|---|----|----|----|----|------|------|----|----|-----|----|-----|---------------|---------------|-----------------------|----------|
| V60 | 2 | 98 | 30 | 16 | G1/8 | 8 | 11 | 21 | 32 | 11 | 35,5 | G1/4 | 86 | 6 | 28 | 23 | 46 | — | 46 | 0,23 | 2221002 |
| V60 | 3 | 98 | 30 | 16 | G1/8 | 8 | 11 | 21 | 32 | 11 | 35,5 | G1/4 | 86 | 6 | 28 | 23 | 69 | — | 69 | 0,28 | 2221003 |
| V60 | 4 » 12 | 98 | 30 | 16 | G1/8 | 8 | 11 | 21 | 32 | 11 | 35,5 | G1/4 | 86 | 6 | 6,5 | 23 | — | (N x 23) + 10 | (N x 23) + 23 | 4 stations = 0,61 *2) | 22210*1) |
| V61 | 2 | 104 | 26 | 9 | G1/8 | 8 | 13 | 20 | 33 | 10 | 35,5 | G3/8 | 24 | 40 | 26 | 26 | 52 | — | 52 | 0,28 | 2221102 |
| V61 | 3 | 104 | 26 | 9 | G1/8 | 8 | 13 | 20 | 33 | 10 | 35,5 | G3/8 | 24 | 40 | 52 | 26 | 78 | — | 78 | 0,45 | 2221103 |
| V61 | 4 » 12 | 104 | 26 | 9 | G1/8 | 8 | 13 | 20 | 33 | 10 | 35,5 | G3/8 | 24 | 40 | 6,5 | 26 | — | (N x 26) + 10 | (N x 26) + 23 | 4 stations = 0,72 *2) | 22211*1) |
| V62 | 2 | 120 | 29 | 9 | G1/8 | 8 | 15 | 22 | 38 | 12 | 35,5 | G1/2 | 32 | 44 | 35 | 35 | 70 | — | 70 | 0,50 | 2221202 |
| V62 | 3 | 120 | 29 | 9 | G1/8 | 8 | 15 | 22 | 38 | 12 | 35,5 | G1/2 | 32 | 44 | 70 | 35 | 105 | — | 105 | 0,85 | 2221203 |
| V62 | 4 » 12 | 120 | 29 | 9 | G1/8 | 8 | 15 | 22 | 38 | 12 | 35,5 | G1/2 | 32 | 44 | 7 | 35 | — | (N x 35) + 12 | (N x 35) + 26 | 4 stations = 1,25 *2) | 22212*1) |

*1) Insert sub—base code after model numbers: 04, 06, 08, 10 and 12 corresponding the stations

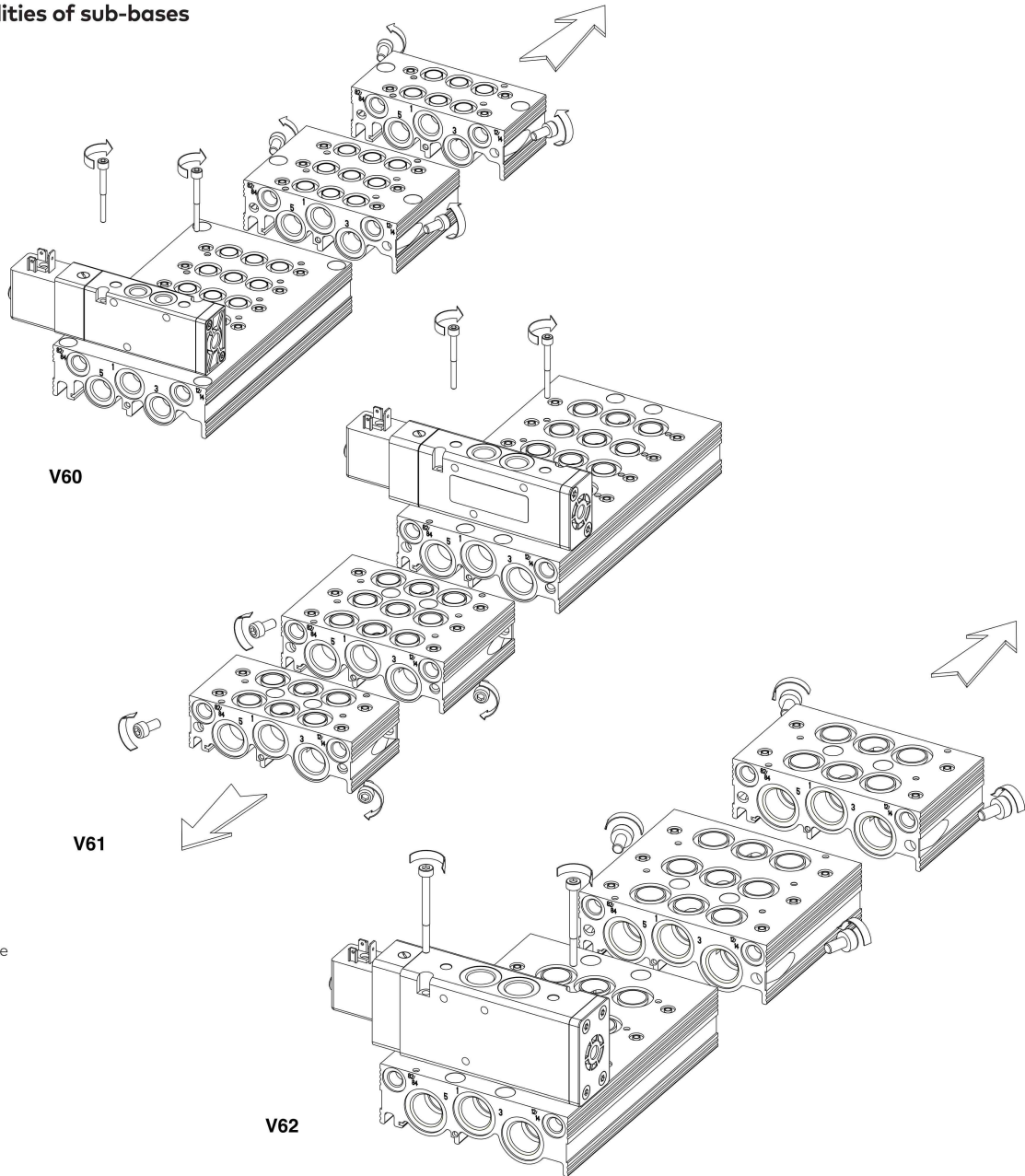
*2) Add +0,25 for two further stations V60 series, +0,30 for V61 and +0,54 for V62 series

Mounting instructions
Pressure shut-off part


1. Set stopper at required position (in main pressure line).

2. Insert two bushes to lock stopper in position.

3. Mount valves on sub-base (bushes rise into P port of valves).

Extension possibilities of sub-bases


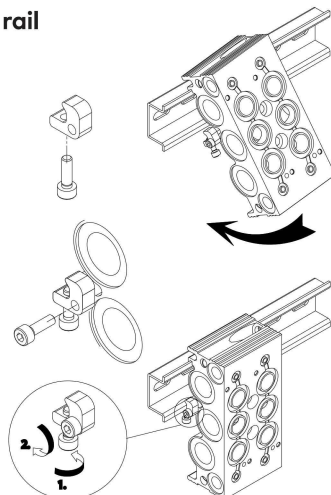
Screw torque for sub-base

M3 = 0,7 +0,3 Nm

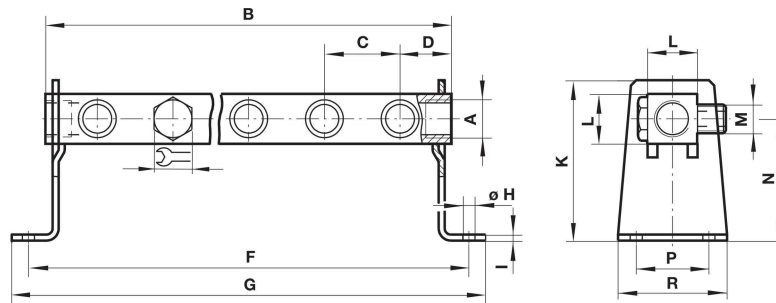
M4 = 1,6 +0,5 Nm

M5 = 3,4 +0,5 Nm

M6 = 5,2 +0,5 Nm

Mounting kit for DIN rail


Manifold for common pressure supply

 Dimensions in mm
 Projection/First angle


| Series | Valve stations | A | B | C | D | E | F | G | ØH | I | K | L | M | N | P | R | Weight (kg) | Model |
|--------|----------------|------|-----|----|----|----|-----|-----|-----|-----|----|----|------|----|----|----|-------------|---------|
| V60 | 2 | G1/4 | 76 | 32 | 22 | 14 | 90 | 106 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,053 | 2639622 |
| V60 | 3 | G1/4 | 108 | 32 | 22 | 14 | 122 | 138 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,075 | 2639623 |
| V60 | 4 | G1/4 | 140 | 32 | 22 | 14 | 154 | 170 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,099 | 2639624 |
| V60 | 5 | G1/4 | 172 | 32 | 22 | 14 | 186 | 202 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,123 | 2639625 |
| V60 | 6 | G1/4 | 204 | 32 | 22 | 14 | 218 | 234 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,147 | 2639626 |
| V60 | 7 | G1/4 | 236 | 32 | 22 | 14 | 250 | 266 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,174 | 2639627 |
| V60 | 8 | G1/4 | 268 | 32 | 22 | 14 | 282 | 298 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,194 | 2639628 |
| V60 | 9 | G1/4 | 300 | 32 | 22 | 14 | 314 | 330 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,209 | 2639629 |
| V60 | 10 | G1/4 | 332 | 32 | 22 | 14 | 346 | 362 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,230 | 2639630 |
| V60 | 12 | G1/4 | 396 | 32 | 22 | 14 | 410 | 426 | 6,5 | 2,5 | 60 | 16 | G1/8 | 48 | 28 | 42 | 0,280 | 2639632 |
| V61 | 2 | G3/8 | 85 | 35 | 25 | 19 | 100 | 116 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,130 | 2639422 |
| V61 | 3 | G3/8 | 120 | 35 | 25 | 19 | 135 | 151 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,192 | 2639423 |
| V61 | 4 | G3/8 | 155 | 35 | 25 | 19 | 170 | 186 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,250 | 2639424 |
| V61 | 5 | G3/8 | 190 | 35 | 25 | 19 | 205 | 221 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,309 | 2639425 |
| V61 | 6 | G3/8 | 225 | 35 | 25 | 19 | 240 | 256 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,367 | 2639426 |
| V61 | 7 | G3/8 | 260 | 35 | 25 | 19 | 275 | 291 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,421 | 2639427 |
| V61 | 8 | G3/8 | 295 | 35 | 25 | 19 | 310 | 326 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,482 | 2639428 |
| V61 | 9 | G3/8 | 330 | 35 | 25 | 19 | 345 | 361 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,537 | 2639429 |
| V61 | 10 | G3/8 | 365 | 35 | 25 | 19 | 380 | 396 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,595 | 2639430 |
| V61 | 12 | G3/8 | 435 | 35 | 25 | 19 | 450 | 466 | 6,5 | 3 | 75 | 23 | G1/4 | 57 | 35 | 50 | 0,642 | 2639432 |

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/ data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.