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
- With or without connector

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).

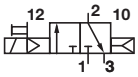
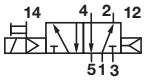
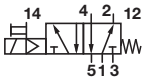
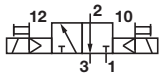
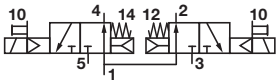
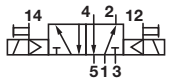
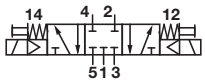
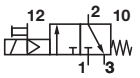
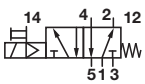
Materials:
Housing:
Aluminium
Base plate: Aluminium
Static and dynamic seals:
NBR and FPM
Plastic parts: PA, PBT with GF

Electrical details for solenoid operators

Voltage tolerance	± 10%
Rating	100% continuous duty
Inlet orifice	0,8 mm
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form B, 22mm
	Industrial Standard, 22mm
Solenoid	4 x 90° rotable
Manual override	Without
	Push and turn to lock
	Push only (not lockable)
Protection class	IP 65 (with sealed plug)
Voltage options	See option selector page 7

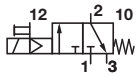
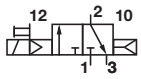
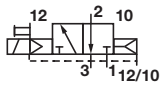
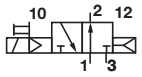
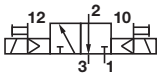
Configured part numbers for valve body, coil and connector plug

For any other configuration, please use individual part numbers for valves and connectors or, for high volume or repeat orders, please contact your local technical support.

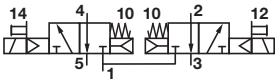
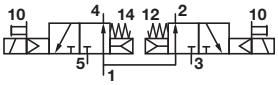
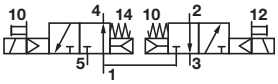
Symbol	Port size	Function	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Connector Voltage	LED	Valve Drawing no *1)	Connector Drawing no.*4)	Configured Model
	G1/4	3/2 - NC	Solenoid/air spring	1300	2 ... 10	–	15...30 V DC	LED	3	50	V61B413A-A213JH *2)
	G1/4	3/2 - NC	Solenoid/air spring	1300	2 ... 10	–	15...30 V DC	LED	3	50	V61B413A-A313JH *2)
	G1/4	3/2 - NC	Solenoid/air spring	1300	2 ... 10	–	12...250 V a.c./d.c.		3	49	V61B413A-A213JB *2)
	G1/4	3/2 - NC	Solenoid/air spring	1300	2 ... 10	–	12...250 V a.c./d.c.		3	49	V61B413A-A313JB *2)
	G1/4	3/2 - NC	Solenoid/air spring	1300	2 ... 10	–	12...250 V a.c./d.c.		3	49	V61B413A-A218JB*2)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	12...250 V a.c./d.c.		2	49	V60A513A-A213JB *2)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	15...30 V DC	LED	2	50	V60A513A-A213JH *2)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	12...250 V a.c./d.c.		2	51	V60A513A-A213L7 *3)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	15...30 V DC	LED	2	52	V60A513A-A213L8 *3)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	12...250 V a.c./d.c.		2	49	V60A513A-A313JB *2)
	G1/8	5/2	Solenoid/air spring	750	2 ... 10	–	15...30 V DC	LED	2	50	V60A513A-A313JH *2)
	G1/4	5/2	Solenoid/air spring	1300	2 ... 10	–	12...250 V a.c./d.c.		2	49	V61B513A-A213JB *2)
	G1/4	5/2	Solenoid/air spring	1300	2 ... 10	–	15...30 V DC	LED	2	50	V61B513A-A213JH *2)
	G1/4	5/2	Solenoid/air spring	1300	2 ... 10	–	12...250 V a.c./d.c.		2	49	V61B513A-A313JB *2)
	G1/4	5/2	Solenoid/air spring	1300	2 ... 10	–	15...30 V DC	LED	2	50	V61B513A-A313JH *2)
	G1/2	5/2	Solenoid/air spring	4500	3 ... 10	–	12...250 V a.c./d.c.		12	49	V63D513A-A213JB *2)
	G1/2	5/2	Solenoid/air spring	4500	3 ... 10	–	15...30 V DC	LED	12	50	V63D513A-A213JH *2)
	G1/8	5/2	Solenoid/spring	750	3 ... 10	–	12...250 V a.c./d.c.		9	49	V60A517A-A213JB *2)
	G1/4	5/2	Solenoid/spring	1300	3 ... 10	–	12...250 V a.c./d.c.		9	49	V61B517A-A213JB *2)
	G1/8	3/2 - NC	Solenoid/solenoid	750	1.5... 10	–	12...250 V a.c./d.c.		7	49	V60A411A-A313JB *2)
	G1/8	3/2 - NC	Solenoid/solenoid	750	1.5... 10	–	15...30 V DC	LED	7	50	V60A411A-A313JH *2)
	G1/8	2 x 3/2 - NO	Solenoid/solenoid	500	2 ... 10	–	12...250 V a.c./d.c.		13	49	V60AB11A-A213JB *2)
	G1/8	2 x 3/2 - NO	Solenoid/solenoid	500	2 ... 10	–	15...30 V DC	LED	13	50	V60AB11A-A213JH *2)
	G1/8	5/2	Solenoid/solenoid	750	1.5... 10	–	12...250 V a.c./d.c.		13	49	V60A511A-A313JB *2)
	G1/8	5/2	Solenoid/solenoid	750	1.5... 10	–	15...30 V DC	LED	13	50	V60A511A-A313JH *2)
	G1/4	5/2	Solenoid/solenoid	1300	1.5... 10	–	15...30 V DC	LED	13	50	V61B511A-A313JH *2)
	G1/4	5/2	Solenoid/solenoid	1300	1.5... 10	–	12...250 V a.c./d.c.		13	49	V61B511A-A213JB *2)
	G1/4	5/2	Solenoid/solenoid	1300	1.5... 10	–	15...30 V DC	LED	13	50	V61B511A-A213JH *2)
	G1/4	5/2	Solenoid/solenoid	1300	1.5... 10	–	12...250 V a.c./d.c.		13	49	V61B511A-A313JB *2)
	G1/8	5/3 - APB	Solenoid/solenoid	500	3 ... 10	–	12...250 V a.c./d.c.		15	49	V60A611A-A313JB *2)
	G1/8	5/3 - APB	Solenoid/solenoid	500	3 ... 10	–	15...30 V DC	LED	15	50	V60A611A-A313JH *2)
	G1/4	5/3 - APB	Solenoid/solenoid	950	3 ... 10	–	12...250 V a.c./d.c.		15	49	V61B611A-A213JB *2)
	G1/4	5/3 - APB	Solenoid/solenoid	950	3 ... 10	–	15...30 V DC	LED	15	50	V61B611A-A213JH *2)
	G1/4	5/3 - APB	Solenoid/solenoid	950	3 ... 10	–	12...250 V a.c./d.c.		15	49	V61B611A-A313JB *2)
	G1/4	5/3 - APB	Solenoid/solenoid	950	3 ... 10	–	15...30 V DC	LED	15	50	V61B611A-A313JH *2)
	G1/2	5/3 - APB	Solenoid/solenoid	2300	2,5... 10	–	15...30 V DC	LED	16	50	V63D611A-A213JH *2)
	G1/2	5/3 - APB	Solenoid/solenoid	2300	2,5... 10	–	12...250 V a.c./d.c.		16	49	V63D611A-A213JB *2)
	G1/4	3/2 - NC	Solenoid/spring	1300	2 ... 10	–	12...250 V a.c./d.c.		1	49	V61B417A-A213JB *2)
	G1/4	3/2 - NC	Solenoid/spring	1300	2 ... 10	–	15...30 V DC	LED	1	50	V61B417A-A213JH *2)
	G1/2	3/2 - NC	Solenoid/spring	4500	2 ... 10	–	12...250 V a.c./d.c.		2	49	V63D417A-A213JB *2)
	G1/2	3/2 - NC	Solenoid/spring	4500	2 ... 10	–	15...30 V DC	LED	2	50	V63D417A-A213JH *2)
	G1/8	5/2	Solenoid/spring	750	3 ... 10	–	15...30 V DC	LED	9	50	V60A517A-A213JH *2)
	G1/4	5/2	Solenoid/spring	1300	3 ... 10	–	15...30 V DC	LED	9	50	V61B517A-A213JH *2)
	G1/4	5/2	Solenoid/spring	1300	3 ... 10	–	12...250 V a.c./d.c.		9	49	V61B517A-A313JB *2)
	G1/4	5/2	Solenoid/spring	1300	3 ... 10	–	15...30 V DC	LED	9	50	V61B517A-A313JH *2)
	G1/2	5/2	Solenoid/spring	4500	3 ... 10	–	12...250 V a.c./d.c.		10	49	V63D517A-A213JB *2)
	G1/2	5/2	Solenoid/spring	4500	3 ... 10	–	15...30 V DC	LED	10	50	V63D517A-A213JH *2)

*1) Please note, these drawing will be for valves and coils only (no connectors)
*2) Connector plug interface : 22mm, industrial standard (see technichal information on page 6)
*3) Connector plug interface : 22mm, to EN 175301-803 (DIN 43650); Form B (see technichal information on page 6)
*4) Please note, these drawings are representative of truncated valves, solenoid and connector

3/2 directional control valves, solenoid actuated (without connector)

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#***

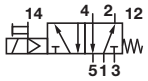
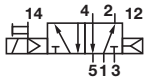
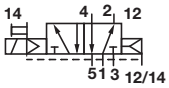
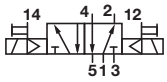
2 x 3/2 directional control valves, solenoid actuated (without connector)

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#***

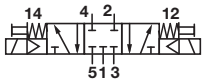
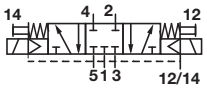
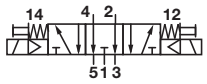
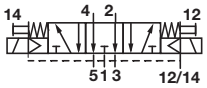
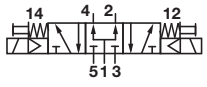
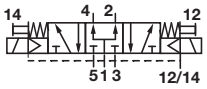
Insert code for manual override: 1 = without; 2 = push and turn, 3 = push only
*1) Substitute ***: Insert voltage code from table below or 000 for version without solenoid

NC = Normally closed
NO = Normally open
NC/NC = Both valves normally closed (port 1)
NO/NO = Both valves normally open (port 1)
NO/NC = One valve normally open & one valve normally closed (port 1)

5/2 directional control valves, solenoid actuated (without connector)

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 (without connector)

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#***
	G1/2	APB	Solenoid/Solenoid	Internal	2300	2,5...10	-	1,25	16	V63D611A-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#***
	G1/2	COE	Solenoid/Solenoid	Internal	2300	2,5...10	-	1,25	16	V63D711A-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) Substitute ***: Insert voltage code from table below or 000 for version without solenoid
APB = All ports blocked
COE = Centre open exhaust
COP = Centre open pressure

Voltage codes and spare coils

22mm 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

22mm 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

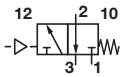
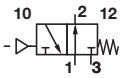
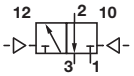
Other voltage on request.

Connector plugs - ordered separately

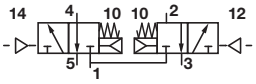
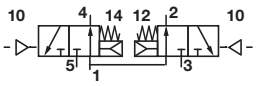
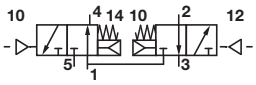
Industrial standard 22mm 2-pole + PE	22mm, EN 175301-803 (DIN 43650 B) Form B 2-pole + PE
	
0657868 12...250 V a.c./d.c.	0680003 12...250 V a.c./d.c.
0680000 15...30 V DC; LED, surge surpression	0664811 15...30 V DC; LED, surge surpression
M/P24121/3 150...250 V a.c.; glim lamp	0664812 150...250 V a.c.; glim lamp

Note: Light emitting gaskets cannot be used

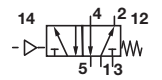
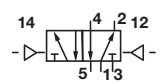
3/2 directional control valves, pilot actuated

Symbol	Port size	Function	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (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

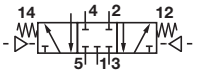
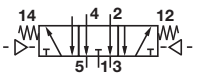
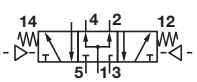
2 x 3/2 directional control valves, pilot actuated

Symbol	Port size	Function	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (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 (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 (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 1)
NO/NO = Both valves normally open (port 1)
NO/NC = One valve normally open & one valve normally closed (port 1)

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

Connector	Substitute
Without connector	-
Industrial standard 22mm plug interface 12 ... 250 V a.c./d.c.	B
Industrial standard 22mm plug interface 15 ... 30 V d.c.; LED surge suspression	H
22mm, EN 175301-803 (DIN 43650); Form B plug interface 12 ... 250 V a.c./d.c.	7
22mm, EN 175301-803 (DIN 43650); Form B plug interface 15 ... 30 V d.c.; LED surge suspression.	8
Plug Interface	**Substitute**
22mm, industrial standard	J
22mm, 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

See page number 5 for information and connector options and page 2 for pre-configured valve, solenoid and connector part number.

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 (1 Piece)	Blanking plug for unused valve station
				
Series	Page 22	Page 22	Page 22	
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 9 (only for V61).
*2) Insert station code after model numbers: # = 0 for 10 and 2 for 12.
The part numbers you see in the above table have been shortened for ease of reading. When placing orders, please add additional characters to make the part number 16 digits long. The character to be added is a '0' (zero) - example 0491587000000000

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

	Valve stations 2	3	4	6	8	10	12
							
Series	Page 20	Page 20	Page 20	Page 20	Page 20	Page 20	Page 20
V60	2221002	2221003	2221004	2221006	2221008	2221010	2221012
V61	2221102	2221103	2221104	2221106	2221108	2221110	2221112
V62	2221202	2221203	2221204	2221206	2221208	2221210	2221212

The part numbers you see in the above table have been shortened for ease of reading. When placing orders, please add additional characters to make the part number 16 digits long. The character to be added is a '0' (zero) - example 2221002000000000

Accessories for sub-bases

	Blanking plate	Blanking plug for 2 station and 3 station manifolds*3)	Blanking kit for port 1	DIN rail mounting kit
				
Series			Page 20	Page 21
V60	0100561	0701208	0100567	0101796
V61	0100563	0701209	0100569	0101796
V62	0100565	-	-	0101796

*3) Blanking plug can be used for all ports 1, 3 and 5
The part numbers you see in the above table have been shortened for ease of reading. When placing orders, please add additional characters to make the part number 16 digits long. The character to be added is a '0' (zero) - example 0100561000000000

Coil accessories

Diffusor for pilot exhaust	Circlip for coil fixing
	
81110800	81021600

Silencers

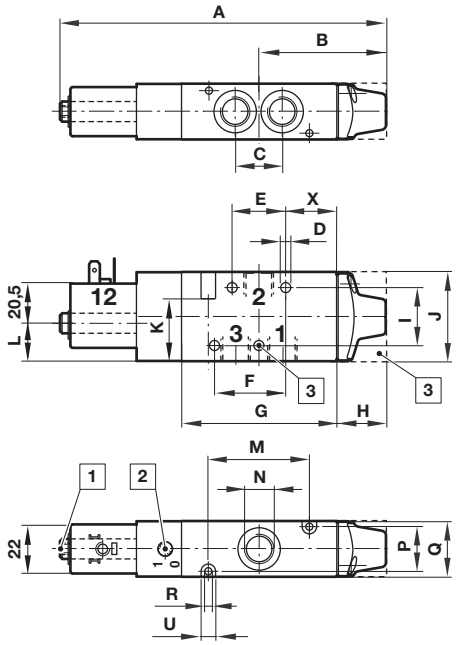
Sintered bronze silencer T40	Porous plastic silencer M/S
	
T40C1800 (G1/8)	M/S1 (G1/8)
T40C2800 (G1/4)	M/S2 (G1/4)
T40C3800 (G3/8)	M/S3 (G3/8)
T40C4800 (G1/2)	M/S4 (G1/2)

For further details see related datasheets
Example only, any standard Norgren silencer can be used

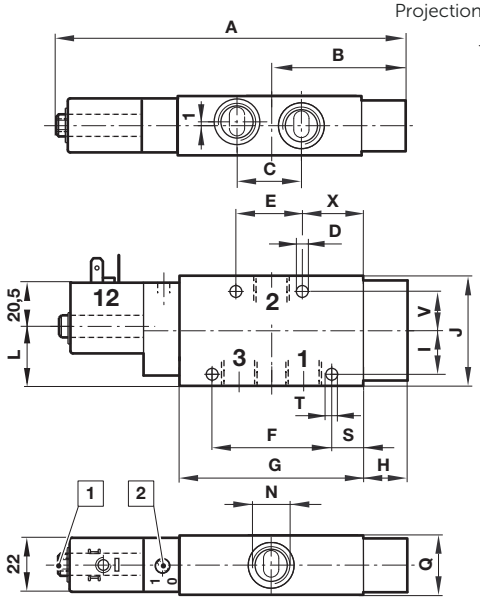
Dimensions

Dimensions in mm
Projection/First angle

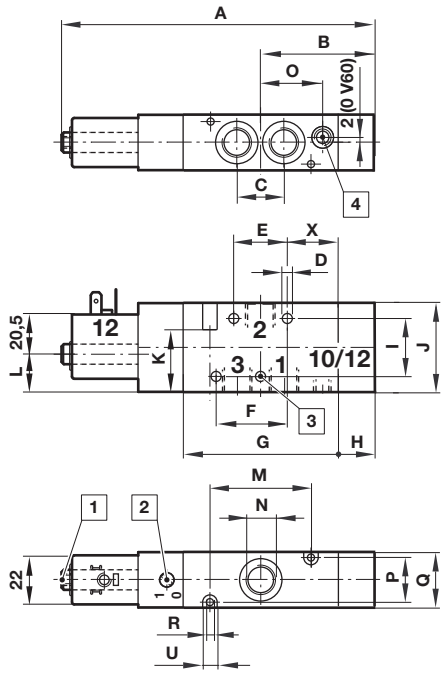
1



2



3



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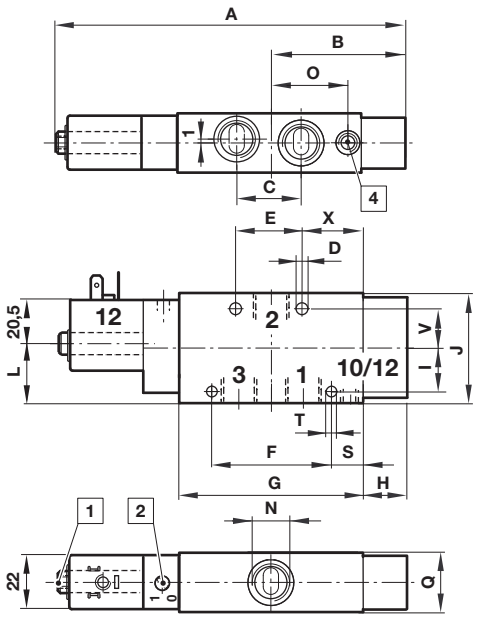


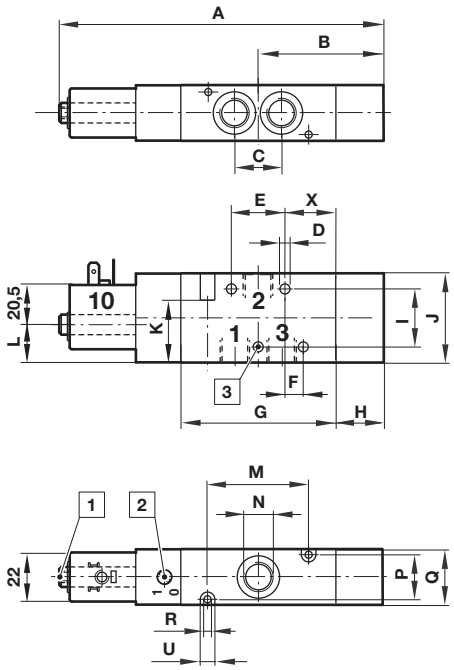
1 Collected pilot exhaust (M5)
2 Manual Override

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	Ø D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Ø R	S	Ø T	Ø U	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–...

Dimensions in mm
Projection/First angle

5



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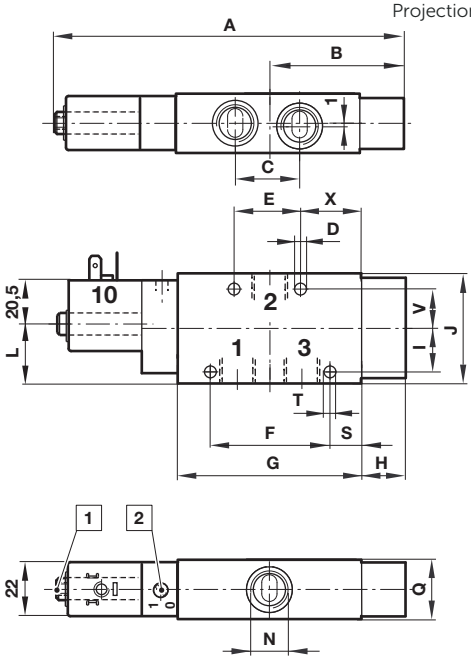

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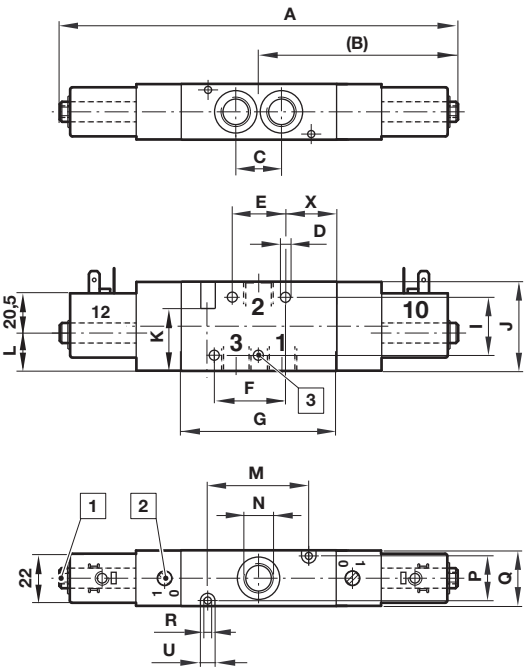

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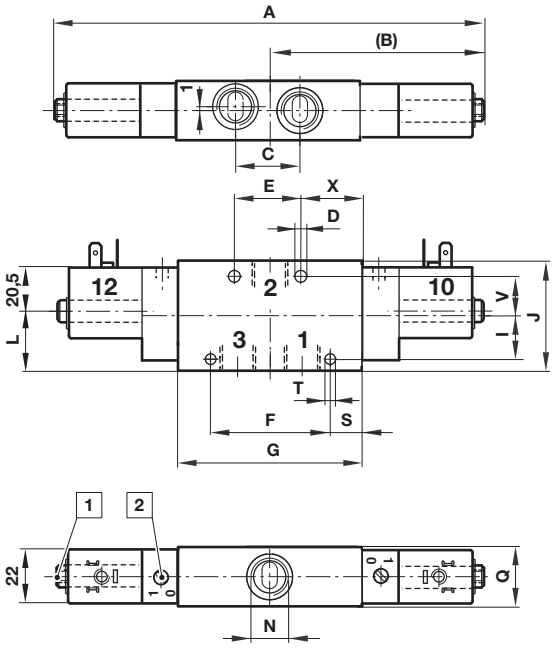
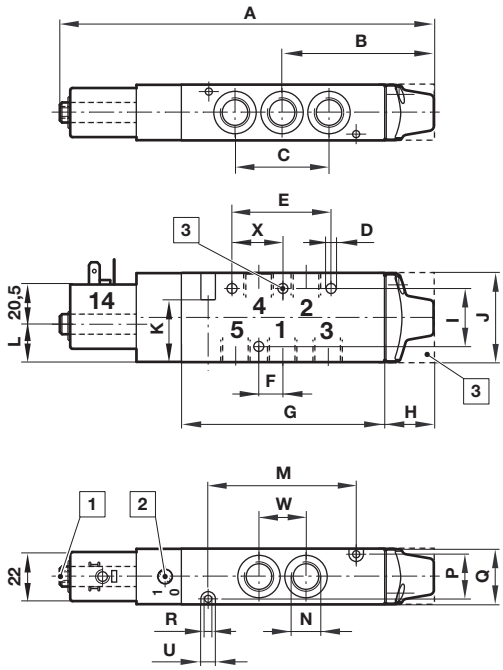


1 Collected pilot exhaust (M5)
2 Manual Override
3 V62: Central mounting hole (left hole is not applicable) and square end cover

No.	A	B	C	Ø D	E	F	G	H	I	J	K	L	M	N	P	Q	Ø R	S	Ø T	Ø U	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–...

Dimensions in mm
Projection/First angle

9



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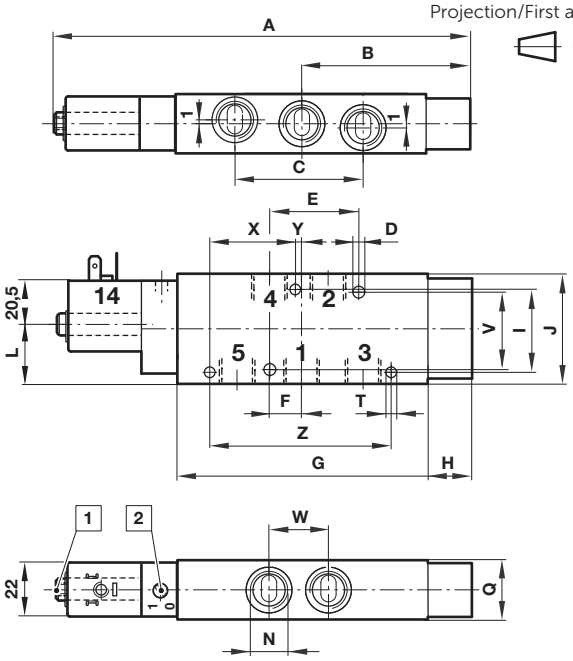

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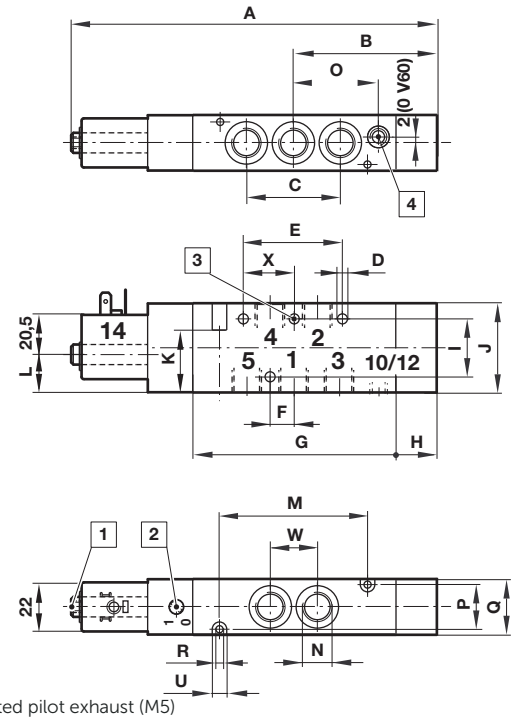
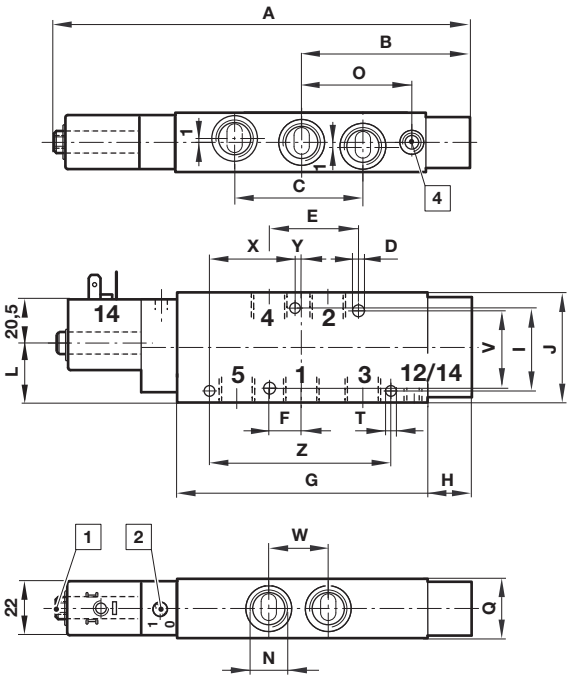


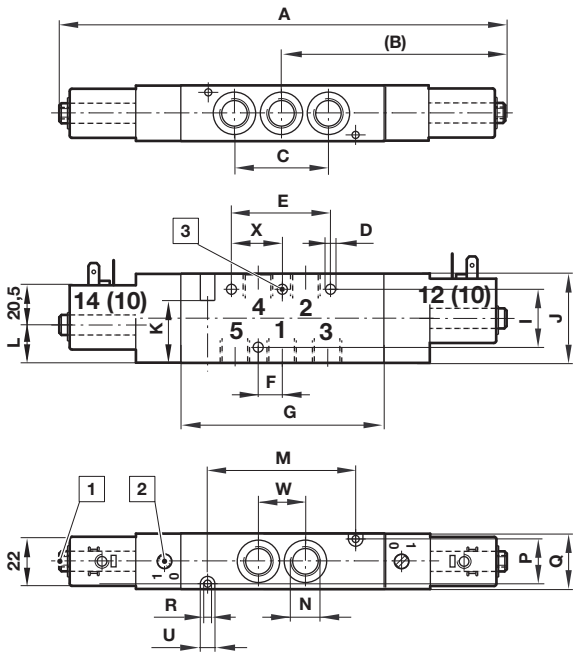
12



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)

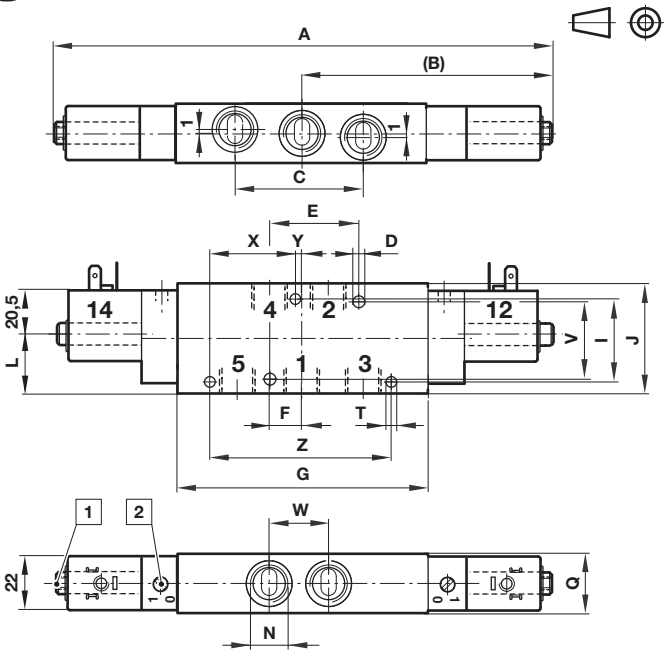
No.	A	B	C	Ø D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Ø R	Ø T	Ø U	V	W	X	Y	Z	Model
9	140	52,5	32,5	4,5	33,5	8	71	17	26	35	28	12	50	G1/8	–	17	22	3,2	–	6,5	–	16	17	–	–	V60A517A–...
9	167	67,5	42	4,5	44	10	90	22,5	26	40	28	17	66	G1/4	–	20	25	3,2	–	6,5	–	21	22	–	–	V61B517A–...
9	191	82	49	4,5	–	12	108	28	36	55	44	32	78	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

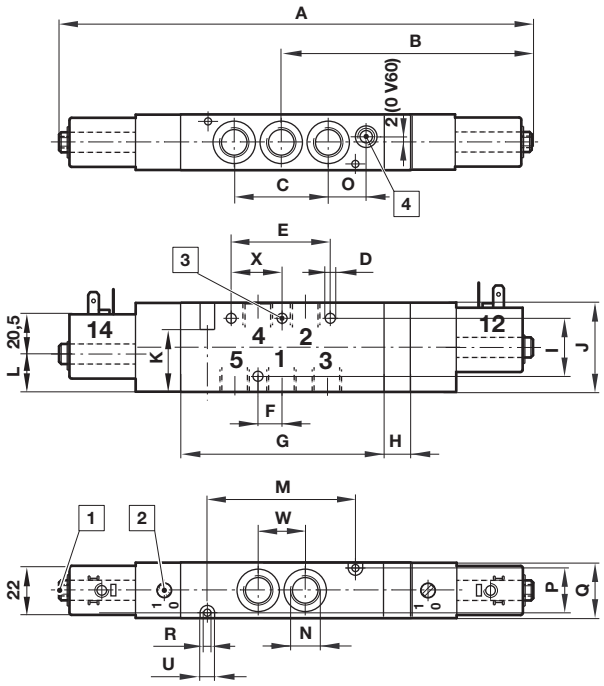
Dimensions in mm
Projection/First angle



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

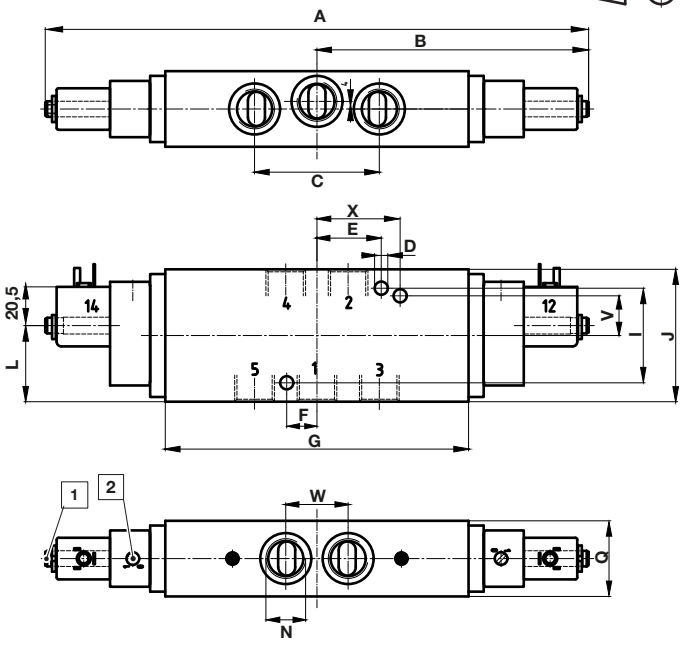
No.	A	B	C	Ø D	E	F	G	I	J	K	L	M	N	P	Q	Ø R	Ø T	Ø U	V	W	X	Y	Z	Model
13	174,5	87,5	32,5	4,5	33,5	8	71	26	35	28	12	50	G1/8	17	22	3,2	–	6,5	–	16	17	–	–	V60A511A–...
13	174,5	87,5	32,5	4,5	33,5	8	71	26	35	28	12	50	G1/8	17	22	3,2	–	6,5	–	16	17	–	–	V60AA11A–...
13	174,5	87,5	32,5	4,5	33,5	8	71	26	35	28	12	50	G1/8	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



16

Dimensions in mm
Projection/First angle

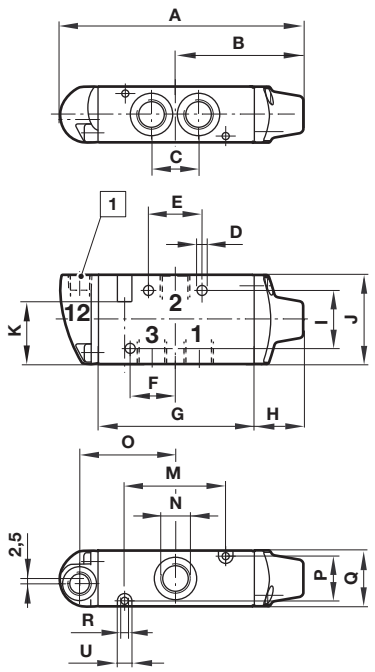


1 Collected pilot exhaust (M5)
2 Manual Override
3 V62: Central mounting hole (left hole is not applicable) and square end cover
4 External pilot port, M5 or 10-32 UNF (V60, V61 & V62)

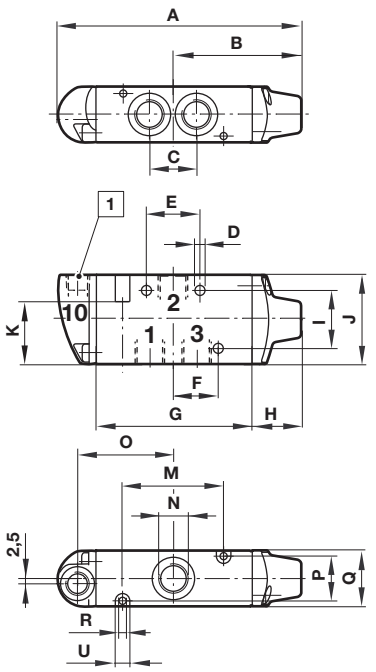
Nr..	A	B	C	Ø D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Ø R	Ø U	W	X	V	Model
15	188,5	101,5	32,5	4,5	33,5	8	71	14	26	35	28	12	50	G1/8	13	17	22	3,2	6,5	16	17	-	V60A611A–...
15	188,5	101,5	32,5	4,5	33,5	8	71	14	26	35	28	12	50	G1/8	13	17	22	3,2	6,5	16	17	-	V60A622A–...
15	188,5	101,5	32,5	4,5	33,5	8	71	14	26	35	28	12	50	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–...
16	287	143,5	66	7	34	16	160	-	50	70	-	40,3	-	G1/2	-	-	40	-	-	33	44	21	V63D611A–...
16	287	143,5	66	7	34	16	160	-	50	70	-	40,3	-	G1/2	-	-	40	-	-	33	44	21	V63D711A–...

Dimensions in mm
Projection/First angle

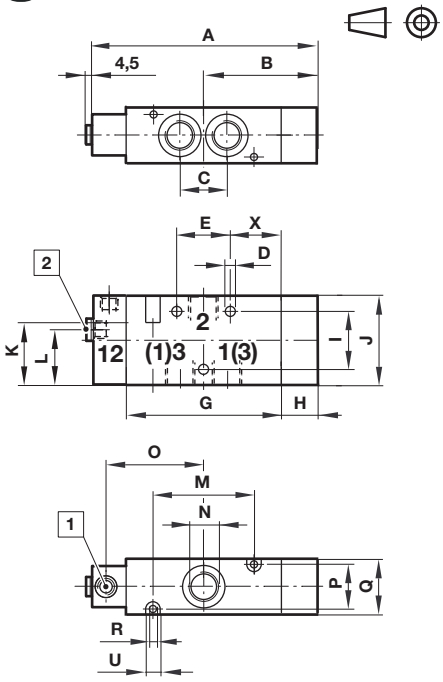
31



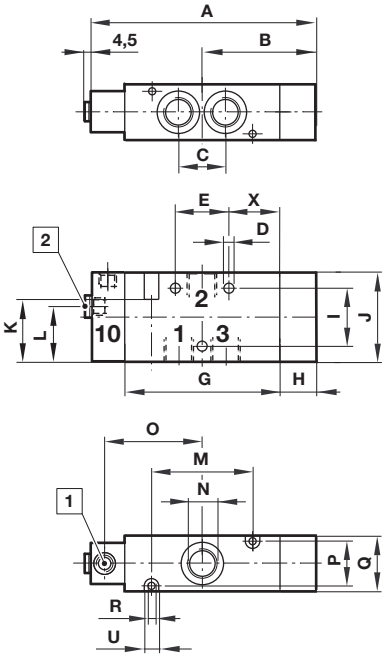
32



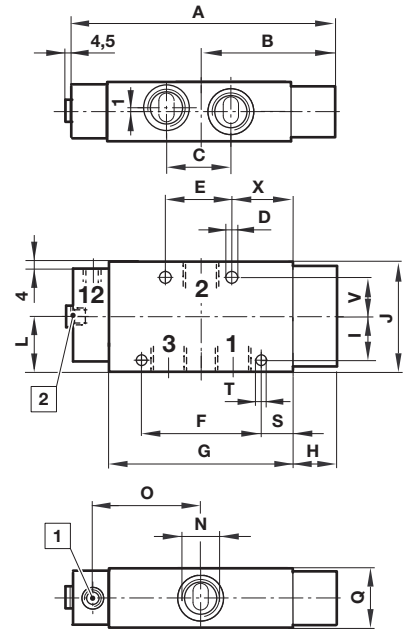
33



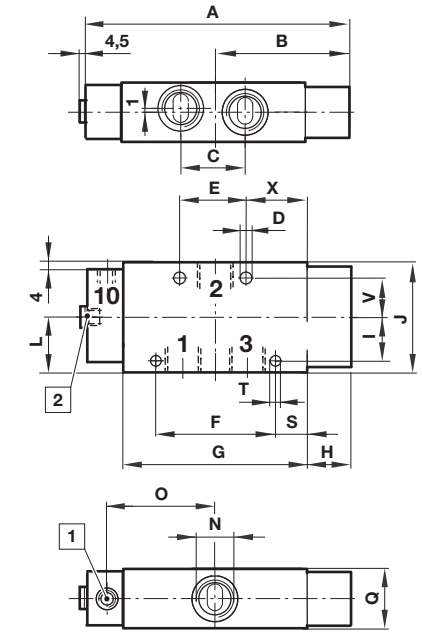
34



35



36

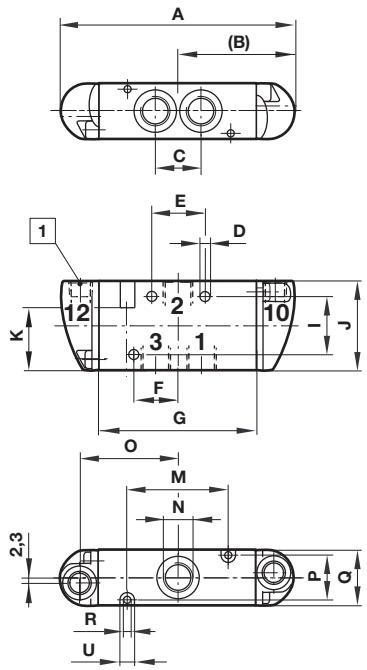


1 Pilot ports G1/8 or 1/8-27 NPT
2 Alternative pilot ports G1/8 or 1/8-27 NPT

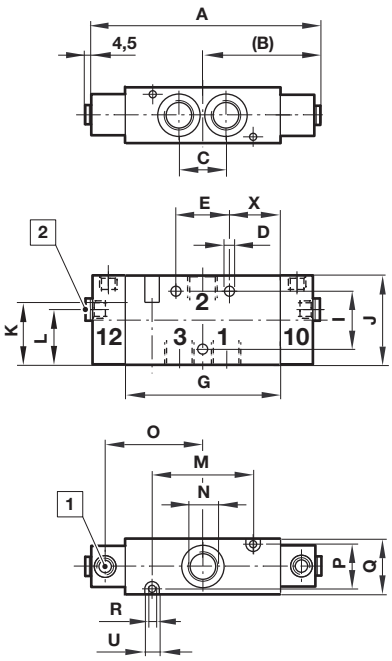
No.	A	B	C	Ø D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Ø R	S	Ø T	Ø U	V	X	Model
31	89,5	45	16	4,5	18	16	56	17	26	35	28	–	35	G1/8	36	17	22	3,2	–	–	6,5	–	–	V60A4D7A–...
31	110	57,5	21	4,5	24	20	70	22,5	26	40	28	–	46	G1/4	43	20	25	3,2	–	–	6,5	–	–	V61B4D7A–...
32	89,5	45	16	4,5	18	16	56	17	26	35	28	–	35	G1/8	36	17	22	3,2	–	–	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–...

Dimensions in mm
Projection/First angle

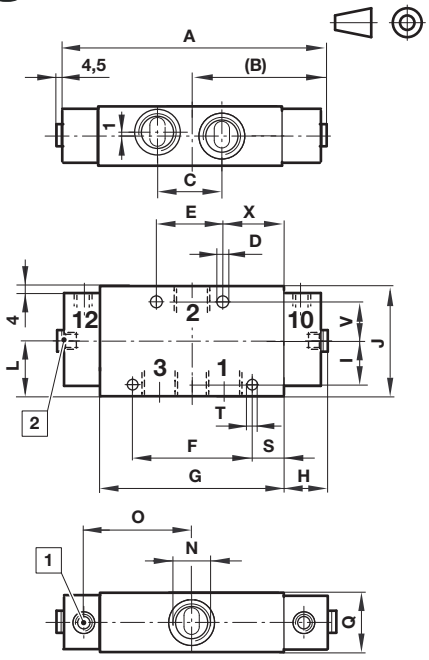
37



38



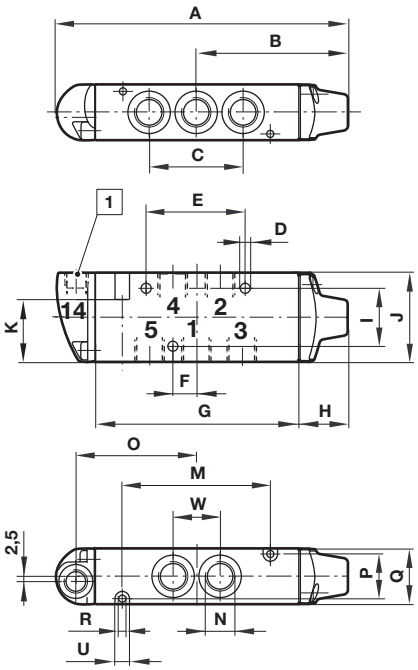
39



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

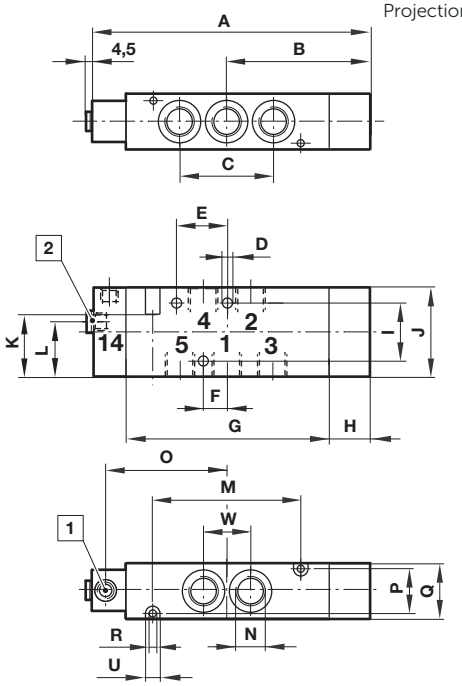
No.	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	X	Model
37	89	44,5	16	4,5	18	16	56	26	35	28	–	35	G1/8	36	17	22	3,2	–	–	6,5	–	–	V60A4DDA–...
37	104	52	21	4,5	24	20	70	26	40	28	–	46	G1/4	43	20	25	3,2	–	–	6,5	–	–	V61B4DDA–...
38	124	62	24,5	4,5	26	–	83,5	36	55	44	33,5	54	G3/8	52	28	34	4,5	–	–	8,0	–	30	V62C4DDA–...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

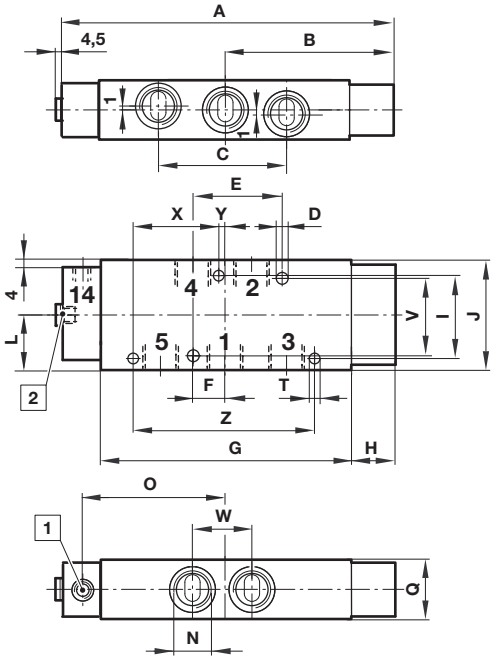


41

Dimensions in mm
Projection/First angle



42

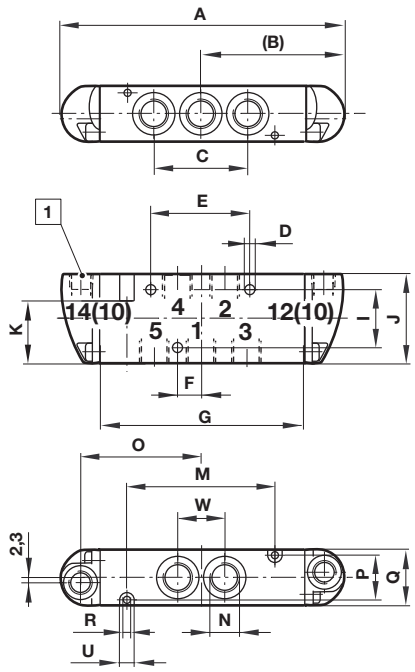


1 Pilot ports G1/8 or 1/8-27 NPT
2 Alternative pilot ports G1/8 or 1/8-27 NPT

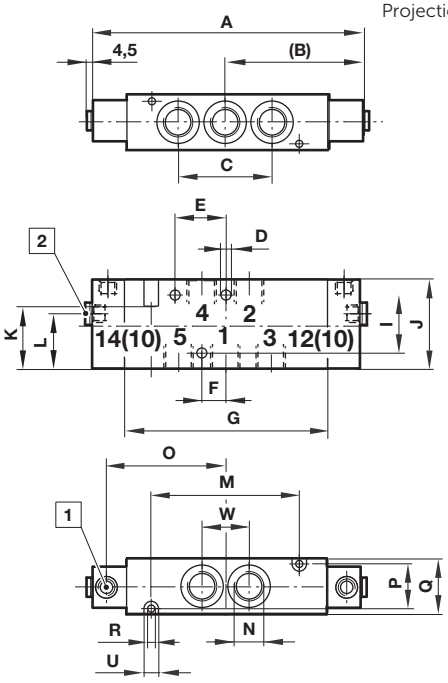
No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	T	U	V	W	X	Y	Z	Model
40	105	52,5	32,5	4,5	33,5	8	71	17	26	35	28	–	50	G1/8	43,5	17	22	3,2	–	6,5	–	16	–	–	–	V60A5D7A–...
40	130	67,5	42	4,5	44	10	90	22,5	26	40	28	–	66	G1/4	53	20	25	3,2	–	6,5	–	21	–	–	–	V61B5D7A–...
41	156	82	49	4,5	26	12	108	28	36	55	44	33,5	78	G3/8	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–...

Dimensions in mm
Projection/First angle

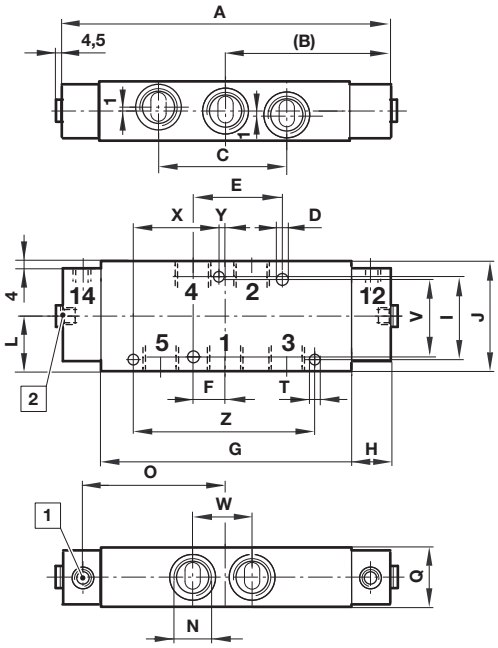
43



44



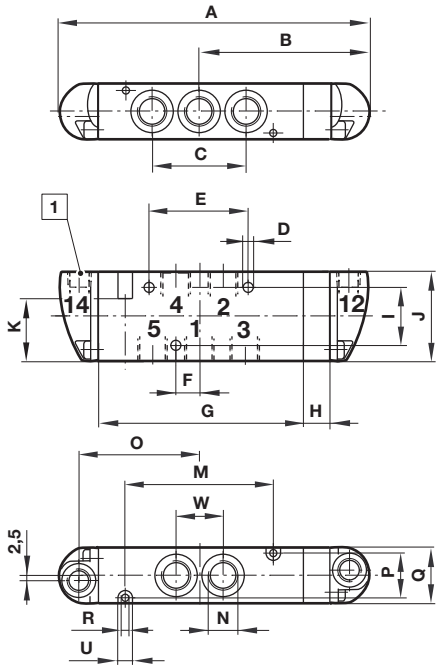
45



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

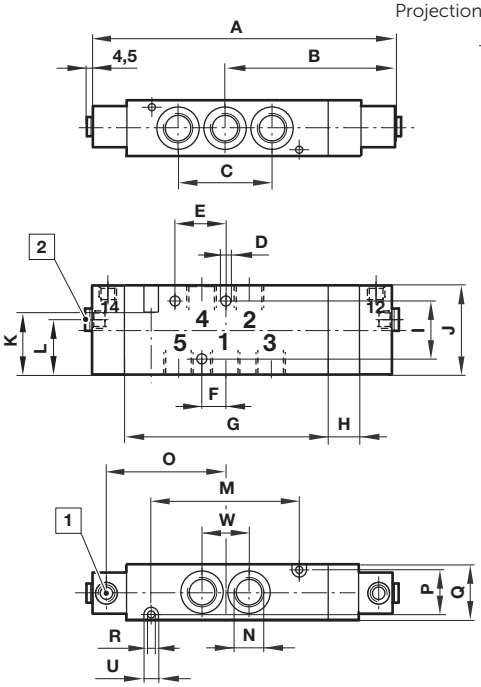
No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	T	U	V	W	X	Z	Model
43	104,5	52,5	32,5	4,5	33,5	8	71	–	26	35	28	–	50	G1/8	44	17	22	3,2	–	6,5	–	16	–	–	V60A5DDA–...
43	104,5	52,5	32,5	4,5	33,5	8	71	–	26	35	28	–	50	G1/8	44	17	22	3,2	–	6,5	–	16	–	–	V60AADDA–...
43	104,5	52,5	32,5	4,5	33,5	8	71	–	26	35	28	–	50	G1/8	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	–	–	V61BADDA–...
43	124	62	42	4,5	44	10	90	–	26	40	28	–	66	G1/4	53	20	25	3,2	–	6,5	–	21	–	–	V61BBDDA–...
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

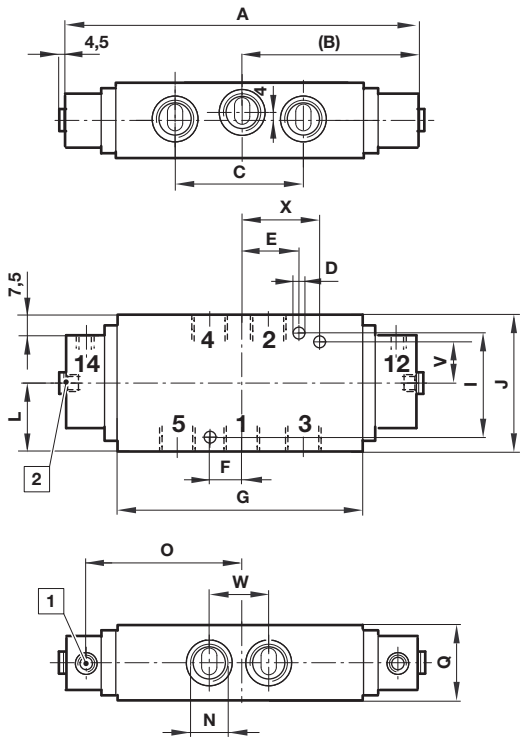


47

Dimensions in mm
Projection/First angle



48

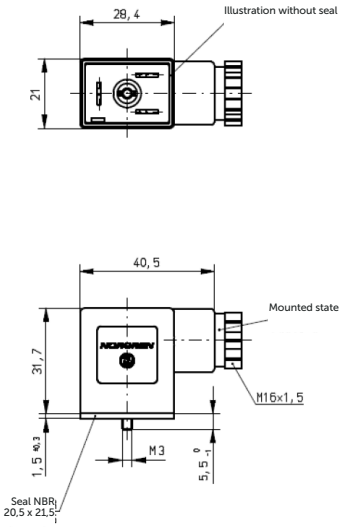


1 Pilot ports G1/8 or 1/8-27 NPT
2 Alternative pilot ports G1/8 or 1/8-27 NPT

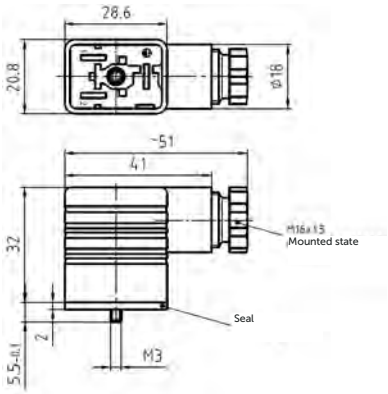
No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	U	V	W	X	Model
46	118,5	66	32,5	4,5	33,5	8	71	14	26	35	28	–	50	G1/8	43,5	17	22	3,2	6,5	–	16	–	V60A6DDA–...
46	118,5	66	32,5	4,5	33,5	8	71	14	26	35	28	–	50	G1/8	43,5	17	22	3,2	6,5	–	16	–	V60A7DDA–...
46	118,5	66	32,5	4,5	33,5	8	71	14	26	35	28	–	50	G1/8	43,5	17	22	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–...

Connector plugs

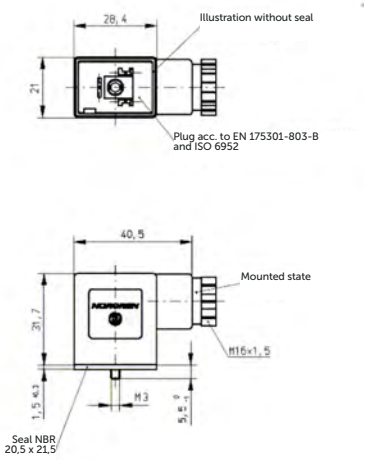
49 0657868



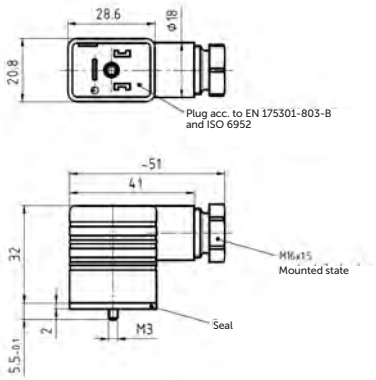
50 0680000



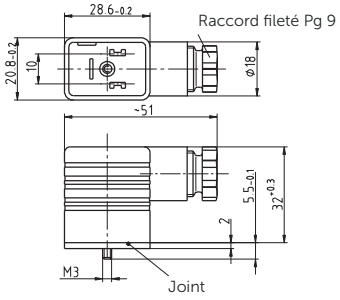
51 0680003



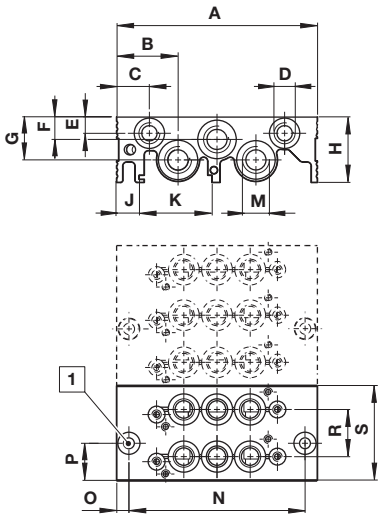
52 0664811



53 0664812

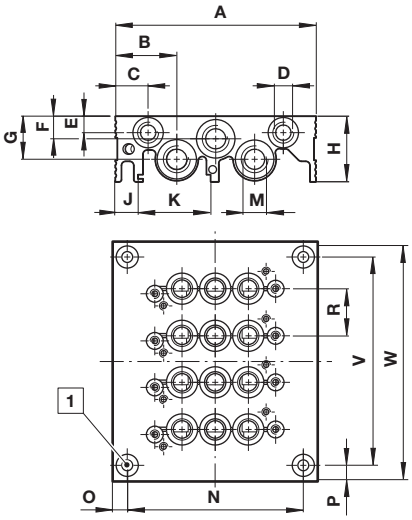


Sub bases 2 and 3 stations



Sub bases 4 to 12 stations

Dimensions in mm
Projection/First angle



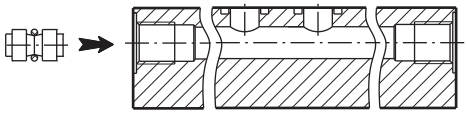
1 For M5 bolts only

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)

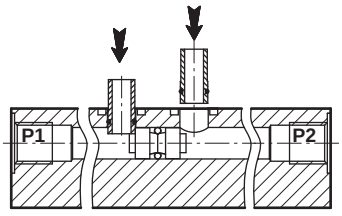
*1) Insert sub—base code after model numbers: 04, 06, 08, 10 and 12 corresponding the stations
Example: If you are looking for an 8 station, so you need to replace ## by 08 for 2221008
*2) Add +0,25 for two further stations V60 series, +0,30 for V61 and +0,54 for V62 series

Mounting instructions

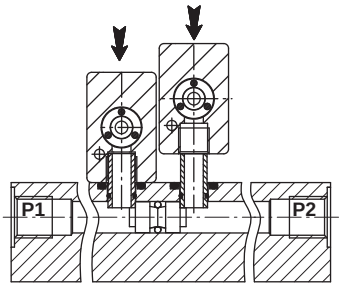
Pressure shut-off part



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

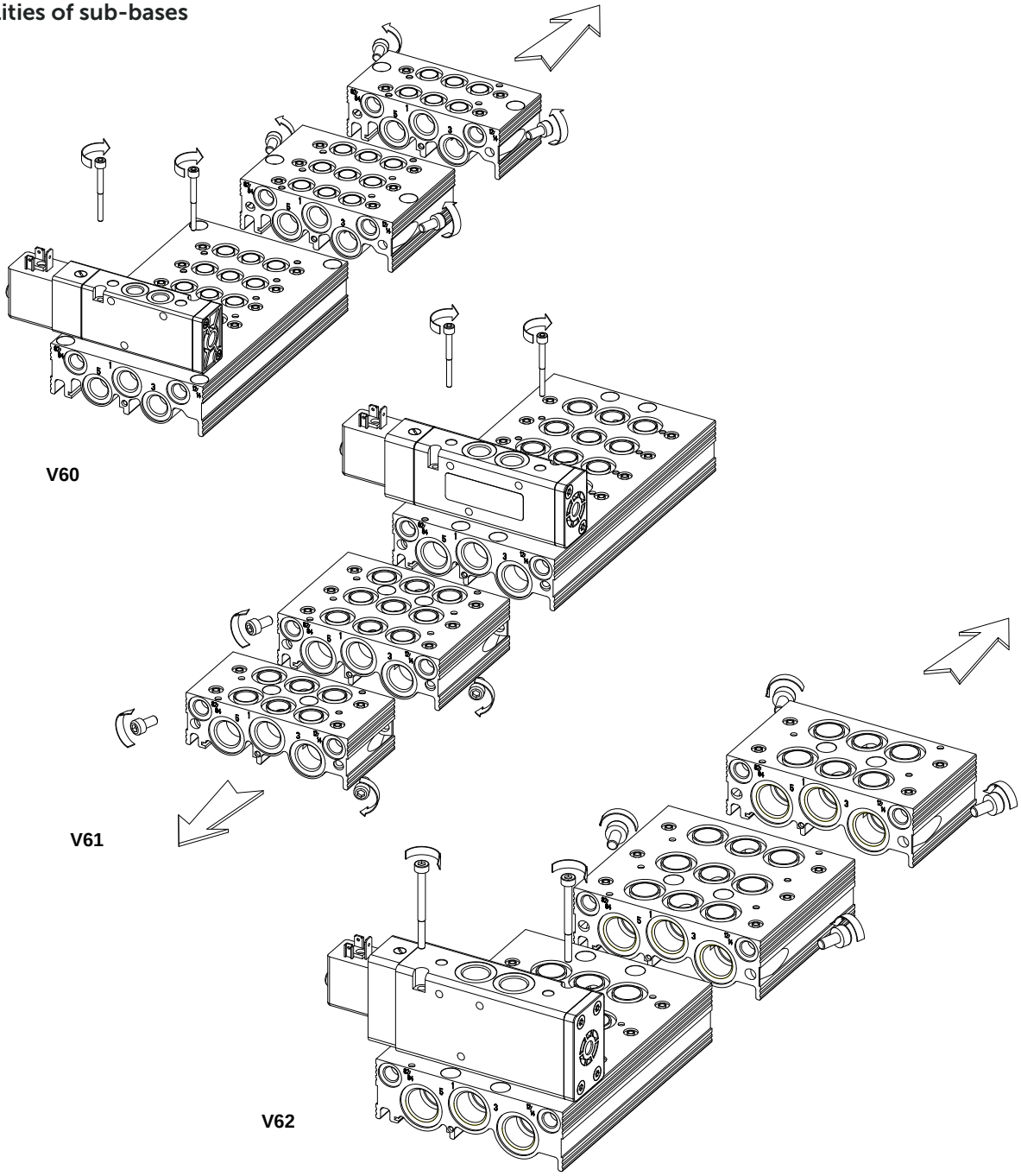


2. Insert two bushes to lock stopper in position.



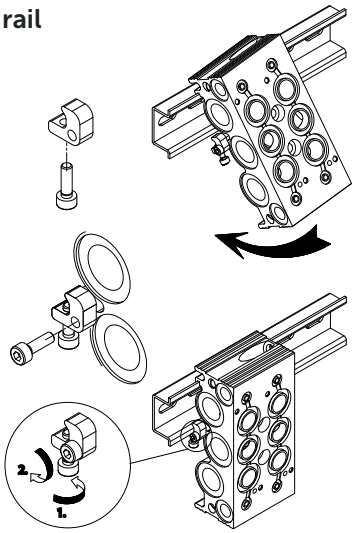
3. Mount valves on sub-base (bushes rise into port 1 of valves).

Extension possibilities of sub-bases



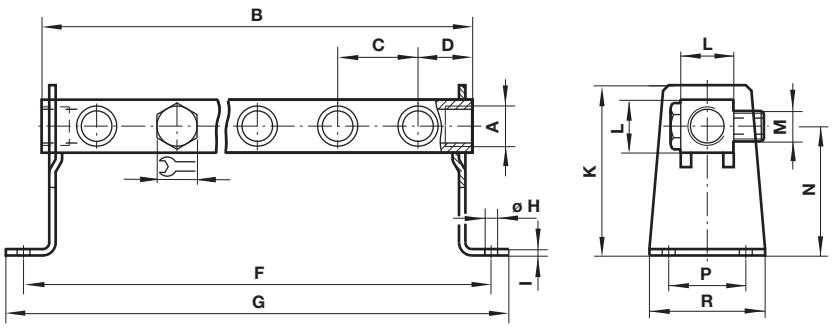
Screw torque for sub-base
M3 = 0,7 +0,3 Nm
M4 = 1,6 +0,5 Nm
M5 = 3,4 +0,5 Nm
M6 = 5,2 +0,5 Nm

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	Ø H	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	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.