

V60-V62 Series

3/2, 5/2, 5/3, and 2 x 3/2

Directional control valves



High flow rate

Extensive manual override options

Manifold system with easy assembly

Low power consumption

Maintenance-free

Technical data

Medium:

Compressed air, filtered to 50 µm, lubricated or non-lubricated.

Operation:

Solenoid pilot or air pilot operated

Mounting:

Individual or fixed length manifold

Connection:

1/8" NPT, 1/4" NPT and 3/8" NPT

Operating pressure:

116 to 145 psi (8 to 10 bar)

Flow direction:

Internal pilot supply: fixed

External pilot supply: optional

Flow:

Size NPT 3/2, 5/2 2 x 3/2, 5/3

Cv (l/min) Cv (l/min)

1/8 0.75 (750) 0.50 (500)

1/4 1.3 (1300) 0.95 (950)

3/8 2.6 (2600) 1.9 (1900)

Ambient temperature:

14°F to +122°F (-10°C to +50°C)

Consult our Technical Service for use below 36°F (+2°C).

Materials

Housing and base plate: aluminum

Spool: stainless steel,

Piston, spacers and cover: synthetic material

Static and dynamic seals: NBR

Screws: zinc plated

Springs: stainless steel

3-Port Solenoid Pilot Valves

Model 3/2 Solenoid Pilot Valves	Port size	Func- tion	Pilot supply*	Operator	Solenoid	Flow Cv	Operating pressure (psi)	Pilot Pressure (psi)	Wt (lbs)	Drawing no
V60P417A-Ax****	1/8	NC	Internal	Sol/spring	Standard	0.75	29 to 116	—	0.49	1
V60P427A-Ax****	1/8	NC	External	Sol/spring	Standard	0.75	26" Hg to 116	44 to 116	0.49	1
V60P417D-Cx13AA	1/8	NC	Internal	Sol/spring	Twin	0.75	29 to 145	—	0.46	5
V60P427D-Cx13AA	1/8	NC	External	Sol/spring	Twin	0.75	26" Hg to 145	44 to 145	0.46	5
V61R417A-Ax****	1/4	NC	Internal	Sol/spring	Standard	1.30	29 to 116	—	0.64	1
V61R427A-Ax****	1/4	NC	External	Sol/spring	Standard	1.30	26" Hg to 116	44 to 116	0.64	1
V61R417D-Cx13AA	1/4	NC	Internal	Sol/spring	Twin	1.30	29 to 145	—	0.60	5
V61R427D-Cx13AA	1/4	NC	External	Sol/spring	Twin	1.30	26" Hg to 145	44 to 145	0.60	5
V62S417A-Ax****	3/8	NC	Internal	Sol/spring	Standard	2.60	29 to 116	—	1.15	1
V62S427A-Ax****	3/8	NC	External	Sol/spring	Standard	2.60	26" Hg to 116	44 to 116	1.15	1
V62S417D-Cx13AA	3/8	NC	Internal	Sol/spring	Twin	2.60	29 to 145	—	1.10	5
V62S427D-Cx13AA	3/8	NC	External	Sol/spring	Twin	2.60	26" Hg to 145	44 to 145	1.10	5
V60P317A-Ax****	1/8	NO	Internal	Sol/spring	Standard	0.75	29 to 116	—	0.5	2
V60P327A-Ax****	1/8	NO	External	Sol/spring	Standard	0.75	26" Hg to 116	44 to 116	0.5	2
V60P317D-Cx13AA	1/8	NO	Internal	Sol/spring	Twin	0.75	29 to 145	—	0.5	5
V60P327D-Cx13AA	1/8	NO	External	Sol/spring	Twin	0.75	26" Hg to 145	44 to 145	0.5	5
V61R317A-Ax****	1/4	NO	Internal	Sol/spring	Standard	1.30	29 to 116	—	0.64	2
V61R327A-Ax****	1/4	NO	External	Sol/spring	Standard	1.30	26" Hg to 116	44 to 116	0.64	2
V61R317D-Cx13AA	1/4	NO	Internal	Sol/spring	Twin	1.30	29 to 145	—	0.60	5
V61R327D-Cx13AA	1/4	NO	External	Sol/spring	Twin	1.30	26" Hg to 145	44 to 145	0.60	5
V62S317A-Ax****	3/8	NO	Internal	Sol/spring	Standard	2.60	29 to 116	—	1.15	2
V62S327A-Ax****	3/8	NO	External	Sol/spring	Standard	2.60	26" Hg to 116	44 to 116	1.15	2
V62S317D-Cx13AA	3/8	NO	Internal	Sol/spring	Twin	2.60	29 to 145	—	1.10	5
V62S327D-Cx13AA	3/8	NO	External	Sol/spring	Twin	2.60	26" Hg to 145	44 to 145	1.10	5
V60P411A-Ax****	1/8	—	Internal	Sol/sol	Standard	0.75	22 to 116	—	0.66	3
V60P422A-Ax****	1/8	—	External	Sol/sol	Standard	0.75	26" Hg to 116	44 to 116	0.66	3
V60P411D-Cx13AA	1/8	—	Internal	Sol/sol	Twin	0.75	22 to 145	—	0.44	4
V60P422D-Cx13AA	1/8	—	External	Sol/sol	Twin	0.75	26" Hg to 145	44 to 145	0.44	4
V61R411A-Ax****	1/4	—	Internal	Sol/sol	Standard	1.30	22 to 116	—	0.84	3
V61R422A-Ax****	1/4	—	External	Sol/sol	Standard	1.30	26" Hg to 116	44 to 116	0.84	3
V61R411D-Cx13AA	1/4	—	Internal	Sol/sol	Twin	1.30	22 to 145	—	0.60	4
V61R422D-Cx13AA	1/4	—	External	Sol/sol	Twin	1.30	26" Hg to 145	44 to 145	0.60	4
V62S411A-Ax****	3/8	—	Internal	Sol/sol	Standard	2.60	22 to 116	—	1.34	3
V62S422A-Ax****	3/8	—	External	Sol/sol	Standard	2.60	26" Hg to 116	44 to 116	1.34	3
V62S411D-Cx13AA	3/8	—	Internal	Sol/sol	Twin	2.60	22 to 145	—	1.10	4
V62S422D-Cx13AA	3/8	—	External	Sol/sol	Twin	2.60	26" Hg to 145	44 to 145	1.10	4

**** Insert coil connector code from Connectors table.

NC = Normally closed, NO = Normally open

For manual override options, substitute 'x' as follows:

1 = without manual override, 2 = locking, 3 = non-locking.

* Valves are not field convertible from internal to external pilot.

5-Port Solenoid Pilot Valves

Model	Port size	Function	Pilot supply	Operator	Solenoid variant	Flow Cv	Operating pressure (psi)	Pilot pressure	Weight (lbs)	Drawing No.
2 x 3/2 Solenoid Pilot Valves										
V60PA11A-Ax****	1/8	NC/NC	Internal	Sol/sol	Standard	0.5	29 to 116	—	0.75	7
V60PA11D-Cx13AA	1/8	NC/NC	Internal	Sol/sol	Twin	0.5	29 to 145	—	0.53	8
V61RA11A-Ax****	1/4	NC/NC	Internal	Sol/sol	Standard	0.95	29 to 116	—	0.95	7
V61RA11D-Cx13AA	1/4	NC/NC	Internal	Sol/sol	Twin	0.95	29 to 145	—	0.73	8
V62SA11A-Ax****	3/8	NC/NC	Internal	Sol/sol	Standard	1.9	29 to 116	—	0.73	7
V62SA11D-Cx13AA	3/8	NC/NC	Internal	Sol/sol	Twin	1.9	29 to 145	—	1.39	8
V60PB11A-Ax****	1/8	NO/NO	Internal	Sol/sol	Standard	0.5	29 to 116	—	0.75	7
V60PB11D-Cx13AA	1/8	NO/NO	Internal	Sol/sol	Twin	0.5	29 to 145	—	0.53	8
V61RB11A-Ax****	1/4	NO/NO	Internal	Sol/sol	Standard	0.95	29 to 116	—	0.95	7
V61RB11D-Cx13AA	1/4	NO/NO	Internal	Sol/sol	Twin	0.95	29 to 145	—	0.73	8
V62SB11A-Ax****	3/8	NO/NO	Internal	Sol/sol	Standard	1.9	29 to 116	—	1.61	7
V62SB11D-Cx13AA	3/8	NO/NO	Internal	Sol/sol	Twin	1.9	29 to 145	—	1.39	8
V60PC11A-Ax****	1/8	NO/NC	Internal	Sol/sol	Standard	0.5	29 to 116	—	0.75	7
V60PC11D-Cx13AA	1/8	NO/NC	Internal	Sol/sol	Twin	0.5	29 to 145	—	0.53	8
V61RC11A-Ax****	1/4	NO/NC	Internal	Sol/sol	Standard	0.95	29 to 116	—	0.95	7
V61RC11D-Cx13AA	1/4	NO/NC	Internal	Sol/sol	Twin	0.95	29 to 145	—	0.73	8
V62SC11A-Ax****	3/8	NO/NC	Internal	Sol/sol	Standard	1.9	29 to 116	—	1.61	7
V62SC11D-Cx13AA	3/8	NO/NC	Internal	Sol/sol	Twin	1.9	29 to 145	—	1.39	8
5/2 Solenoid Pilot Valves										
V60P517A-Ax****	1/8	—	Internal	Sol/spring	Standard	0.75	29 to 116	—	0.53	29
V60P527A-Ax****	1/8	—	External	Sol/spring	Standard	0.75	26" Hg to 116	44 to 116	0.53	29
V60P511D-Cx13AA	1/8	—	Internal	Sol/sol	Twin	0.75	29 to 145	—	0.51	12
V60P522D-Cx13AA	1/8	—	External	Sol/sol	Twin	0.75	29" Hg to 145	44 to 145	0.51	12
V61R517A-Ax****	1/4	—	Internal	Sol/spring	Standard	1.3	29 to 116	—	0.73	29
V61R527A-Ax****	1/4	—	External	Sol/spring	Standard	1.3	26" Hg to 116	44 to 116	0.73	29
V61R517D-Cx13AA	1/4	—	Internal	Sol/spring	Twin	1.3	29 to 145	—	0.71	12
V61R527D-Cx13AA	1/4	—	External	Sol/spring	Twin	1.3	29 to 145	—	0.71	12
V62S517A-Ax****	3/8	—	Internal	Sol/spring	Standard	2.6	29 to 116	—	1.36	29
V62S527A-Ax****	3/8	—	External	Sol/spring	Standard	2.6	26" Hg to 116	44 to 116	1.36	29
V62S517D-Cx13AA	3/8	—	Internal	Sol/spring	Twin	2.6	29 to 145	—	1.34	12
V62S527D-Cx13AA	3/8	—	External	Sol/spring	Twin	2.6	26" Hg to 145	44 to 145	1.34	12
V60P511A-Ax****	1/8	—	Internal	Sol/sol	Standard	0.75	29 to 116	—	0.73	10
V60P522A-Ax****	1/8	—	External	Sol/sol	Standard	0.75	26" Hg to 116	44 to 116	0.51	10
V60P511A-Ax****	1/8	—	Internal	Sol/sol	Standard	0.75	26" Hg to 116	44 to 116	0.51	10
V60P522D-Cx13AA	1/8	—	External	Sol/sol	Twin	0.75	26" Hg to 145	44 to 145	0.51	11
V61R511A-Ax****	1/4	—	Internal	Sol/sol	Standard	1.3	29 to 116	—	0.93	10
V61R522A-Ax****	1/4	—	External	Sol/sol	Standard	1.3	26" Hg to 116	44 to 116	0.93	10
V61R511D-Cx13AA	1/4	—	Internal	Sol/sol	Twin	1.3	29 to 145	—	0.71	11
V61R522D-Cx13AA	1/4	—	External	Sol/sol	Twin	1.3	26" Hg to 145	44 to 145	0.71	11
V62S511A-Ax****	3/8	—	Internal	Sol/sol	Standard	2.6	29 to 116	—	1.59	10
V62S522A-Ax****	3/8	—	External	Sol/sol	Standard	2.6	26" Hg to 116	44 to 116	1.59	10
V62S511D-Cx13AA	3/8	—	Internal	Sol/sol	Twin	2.6	29 to 145	—	1.36	11
V62S522D-Cx13AA	3/8	—	External	Sol/sol	Twin	2.6	26" Hg to 145	44 to 145	1.36	11
5/3 Solenoid Pilot Valves										
V60P611A-Ax****	1/8	APB	Internal	Sol/sol	Standard	0.5	44 to 116	—	0.77	14
V60P622A-Ax****	1/8	APB	External	Sol/sol	Standard	0.5	26" Hg to 116	44 to 116	0.77	14
V60P611D-Cx13AA	1/8	APB	Internal	Sol/sol	Twin	0.5	44 to 145	—	0.55	15
V60P622D-Cx13AA	1/8	APB	External	Sol/sol	Twin	0.5	26" Hg to 145	44 to 145	0.55	15
V61R611A-Ax****	1/4	APB	Internal	Sol/sol	Standard	0.95	44 to 116	—	1.04	14
V61R622A-Ax****	1/4	APB	External	Sol/sol	Standard	0.95	26" Hg to 116	44 to 116	1.04	14
V61R611D-Cx13AA	1/4	APB	Internal	Sol/sol	Twin	0.95	44 to 145	—	0.82	15
V61R622D-Cx13AA	1/4	APB	External	Sol/sol	Twin	0.95	26" Hg to 145	44 to 145	0.82	15
V62S611A-Ax****	3/8	APB	Internal	Sol/sol	Standard	1.9	44 to 116	—	1.79	14
V62S622A-Ax****	3/8	APB	External	Sol/sol	Standard	1.9	26" Hg to 116	44 to 116	1.79	14
V62S611D-Cx13AA	3/8	APB	Internal	Sol/sol	Twin	1.9	44 to 116	44 to 145	1.57	15
V62S622D-Cx13AA	3/8	APB	External	Sol/sol	Twin	1.9	26" Hg to 145	44 to 145	1.57	15
V60P711A-Ax****	1/8	COE	Internal	Sol/sol	Standard	0.5	44 to 116	—	0.77	14
V60P722A-Ax****	1/8	COE	External	Sol/sol	Standard	0.5	26" Hg to 116	44 to 116	0.77	14
V60P711D-Cx13AA	1/8	COE	Internal	Sol/sol	Twin	0.5	44 to 145	—	0.55	15
V60P722D-Cx13AA	1/8	COE	External	Sol/sol	Twin	0.5	26" Hg to 145	44 to 145	0.55	15
V61R711A-Ax****	1/4	COE	Internal	Sol/sol	Standard	0.95	44 to 116	—	1.04	14
V61R722A-Ax****	1/4	COE	External	Sol/sol	Standard	0.95	26" Hg to 116	44 to 116	1.04	14
V61R711D-Cx13AA	1/4	COE	Internal	Sol/sol	Twin	0.95	44 to 145	—	0.82	15
V61R722D-Cx13AA	1/4	COE	External	Sol/sol	Twin	0.95	26" Hg to 145	44 to 145	0.82	15
V62S711A-Ax****	3/8	COE	Internal	Sol/sol	Standard	1.9	44 to 116	—	1.79	14
V62S722A-Ax****	3/8	COE	External	Sol/sol	Standard	1.9	26" Hg to 116	44 to 116	1.79	14
V62S711D-Cx13AA	3/8	COE	Internal	Sol/sol	Twin	1.9	44 to 145	—	1.57	15
V62S722D-Cx13AA	3/8	COE	External	Sol/sol	Twin	1.9	26" Hg to 145	44 to 145	1.57	15
V60P811A-Ax****	1/8	COP	Internal	Sol/sol	Standard	0.5	44 to 116	—	0.77	14
V60P822A-Ax****	1/8	COP	External	Sol/sol	Standard	0.5	26" Hg to 116	44 to 116	0.77	14
V60P811D-Cx13AA	1/8	COP	Internal	Sol/sol	Twin	0.5	44 to 145	—	0.55	15
V60P822D-Cx13AA	1/8	COP	External	Sol/sol	Twin	0.5	26" Hg to 145	44 to 145	0.55	15
V61R811A-Ax****	1/4	COP	Internal	Sol/sol	Standard	0.95	44 to 116	—	1.04	14
V61R822A-Ax****	1/4	COP	External	Sol/sol	Standard	0.95	26" Hg to 116	44 to 116	1.04	14
V61R811D-Cx13AA	1/4	COP	Internal	Sol/sol	Twin	0.95	44 to 145	—	0.82	15
V61R822D-Cx13AA	1/4	COP	External	Sol/sol	Twin	0.95	26" Hg to 145	44 to 145	0.82	15
V62S811A-Ax****	3/8	COP	Internal	Sol/sol	Standard	1.9	44 to 116	—	1.79	14
V62S822A-Ax****	3/8	COP	External	Sol/sol	Standard	1.9	26" Hg to 116	44 to 116	1.79	14
V62S811D-Cx13AA	3/8	COP	Internal	Sol/sol	Twin	1.9	44 to 145	—	1.57	15
V62S822D-Cx13AA	3/8	COP	External	Sol/sol	Twin	1.9	26" Hg to 145	44 to 145	1.57	15

NC = Normally closed, NO = Normally open, APB = All ports blocked, COE = Center open exhaust, COP = Center open pressure **** Insert coil connector code from Connectors table.
For manual override options, substitute 'x' as follows: 1 = without manual override, 2 = locking, 3 = non-locking.

V60-V62 Series

3/2, 5/2, 5/3, and 2 x 3/2

Directional control valves

Coil & voltage codes

Standard (22 mm coil industrial standard)

Voltage	Coil code	Power inrush/hold	Model
12 V d.c.	12J	2 W	54469-01
24 V d.c.	13J	2 W	54469-02
24 V 50/60 Hz	14J	4/2.5 VA	54469-04
48 V 50/60 Hz	16J	4/2.5 VA	54469-07
110/120 V 50/60 Hz	18J	4/2.5 VA	54469-03
220/240 V 50/60 Hz	19J	6/5 VA	54469-08

Twin

Double solenoid DIN EN 175 301-803 (DIN 43650 type C) 4 pin

Voltage	Coil code	Power inrush/hold	Override	Replacement
24 V d.c.	13 A	2 W	No override	9031705900024
24 V d.c.	13 A	2 W	Non-locking	9031703900024
24 V d.c.	13 A	2 W	Locking	9031704900024

Plug configuration, valve side/twin pilot

Symbol	Plug no.	Function	Actuation	Connector color
	1	(+)	12 (Solenoid 2)	Black
	2	(-)	12 + 14	Blue
	3	(+)	14 (Solenoid 1)	Brown
		Ground		Green

Electrical details

Voltage tolerance:	±10%
Rating:	100% E.D.
Protection class:	IP 65 with sealed plugs (ISO 6952)

Connectors

3-Pin Industrial Standard 22mm

A = no connector	
B = Cable grip 0-240Vac/Vdc	54934-01
C = 6 ft molded cable, 0-240Vac/Vdc	54934-21
H = Cable grip w/indicator light 24Vdc	54934-08
J = Cable grip w/indicator light 120Vac	54934-02
Z = 1/2" Conduit 0-240Vac/Vdc	54934-05
5 = 6 ft molded cable w/indicator light, surge suppression, 24Vac/Vdc	54934-30
6 = 6 ft molded cable w/indicator light, 120Vac	54934-35

4-Pin Connector

A = no connector	
Y = 4-pin cable grip 0-240Vac/Vdc	0588666
X = 4-pin 10' molded cable 0-240Vac/Vdc	0102144

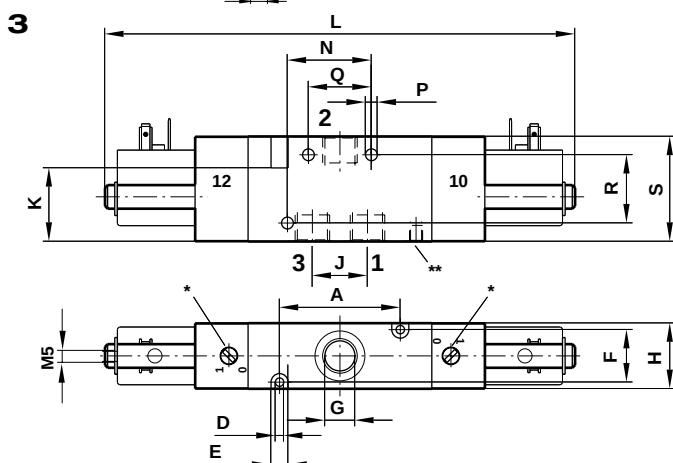
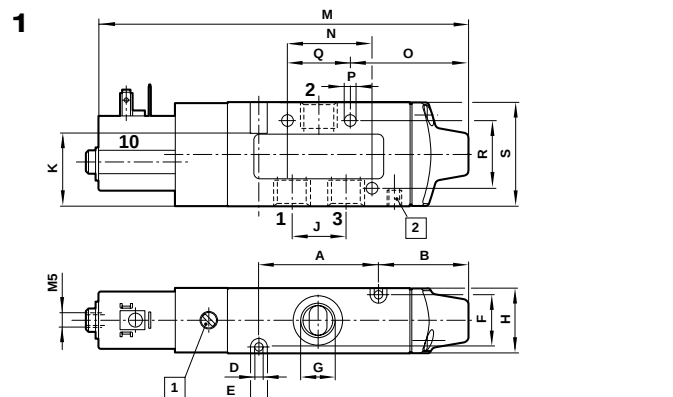
3-Port and 5-Port Air Pilot Valves

Model	Port size	Function	Operator/Operator	Flow Cv	Operating Pressure (Cv)	Pilot pressure (psi)	Weight (lbs)	Drawing No.
3/2 Air Pilot Valves								
V60P4D7A-XP0900	1/8	NC	Air/Spring	0.75	26" Hg to 145	36 to 145	0.29	16
V61R4D7A-XP0900	1/4	NC	Air/Spring	1.30	26" Hg to 145	36 to 145	0.46	16
V62S4D7A-XP0900	3/8	NC	Air/Spring	2.60	26" Hg to 145	36 to 145	0.95	16
V60P3D7A-XP0900	1/8	NO	Spring/Air	0.75	26" Hg to 145	36 to 145	0.29	17
V61R3D7A-XP0900	1/4	NO	Spring/Air	1.30	26" Hg to 145	36 to 145	0.46	17
V62S3D7A-XP0900	3/8	NO	Spring/Air	2.60	26" Hg to 145	36 to 145	0.95	17
V60P4DDA-XP0200	1/8	—	Air/Air	0.75	26" Hg to 145	22 to 145	0.29	18
V61R4DDA-XP0200	1/4	—	Air/Air	1.30	26" Hg to 145	22 to 145	0.46	18
V62S4DDA-XP0200	3/8	—	Air/Air	2.60	26" Hg to 145	22 to 145	0.95	18
2 x 3/2 Air Pilot Valves								
V60PADDA-XP0200	1/8	NC/NC	Air/Air	0.50	29 to 145	29 to 145	0.4	19
V61RADDA-XP0200	1/4	NC/NC	Air/Air	0.95	29 to 145	29 to 145	0.67	19
V62SADDA-XP0200	3/8	NC/NC	Air/Air	1.90	29 to 145	29 to 145	1.32	19
V60PBDDA-XP0200	1/8	NO/NO	Air/Air	0.50	29 to 145	29 to 145	0.4	19
V61RBDDA-XP0200	1/4	NO/NO	Air/Air	0.95	29 to 145	29 to 145	0.67	19
V62SBDDA-XP0200	3/8	NO/NO	Air/Air	1.90	29 to 145	29 to 145	1.32	19
V60PCDDA-XP0200	1/8	NO/NC	Air/Air	0.50	29 to 145	29 to 145	0.4	19
V61RCDDA-XP0200	1/4	NO/NC	Air/Air	0.95	29 to 145	29 to 145	0.67	19
V62SCDDA-XP0200	3/8	NO/NC	Air/Air	1.90	29 to 145	29 to 145	1.32	19
5/2 Air Pilot Valves								
V60P5D7A-XP0900	1/8	—	Air/Spring	0.75	26" Hg to 145	36 to 145	0.35	22
V61R5D7A-XP0900	1/4	—	Air/Spring	1.30	26" Hg to 145	36 to 145	0.57	22
V62S5D7A-XP0900	3/8	—	Air/Spring	2.60	26" Hg to 145	36 to 145	1.23	22
V60P5DDA-XP0200	1/8	—	Air/Air	0.75	26" Hg to 145	22 to 145	0.37	23
V61R5DDA-XP0200	1/4	—	Air/Air	1.30	26" Hg to 145	22 to 145	0.6	23
V62S5DDA-XP0200	3/8	—	Air/Air	2.60	26" Hg to 145	22 to 145	1.28	23
5/3 Air Pilot Valves								
V60P6DDA-XP0200	1/8	APB	Air/Air	0.50	26" Hg to 145	44 to 145	0.44	24
V61R6DDA-XP0200	1/4	APB	Air/Air	0.95	26" Hg to 145	44 to 145	0.71	24
V62S6DDA-XP0200	3/8	APB	Air/Air	1.90	26" Hg to 145	44 to 145	1.48	24
V60P7DDA-XP0200	1/8	COE	Air/Air	0.50	26" Hg to 145	44 to 145	0.44	24
V61R7DDA-XP0200	1/4	COE	Air/Air	0.95	26" Hg to 145	44 to 145	0.71	24
V62S7DDA-XP0200	3/8	COE	Air/Air	1.90	26" Hg to 145	44 to 145	1.48	24
V60P8DDA-XP0200	1/8	COP	Air/Air	0.50	26" Hg to 145	44 to 145	0.44	24
V61R8DDA-XP0200	1/4	COP	Air/Air	0.95	26" Hg to 145	44 to 145	0.71	24
V62S8DDA-XP0200	3/8	COP	Air/Air	1.90	26" Hg to 145	44 to 145	1.48	24

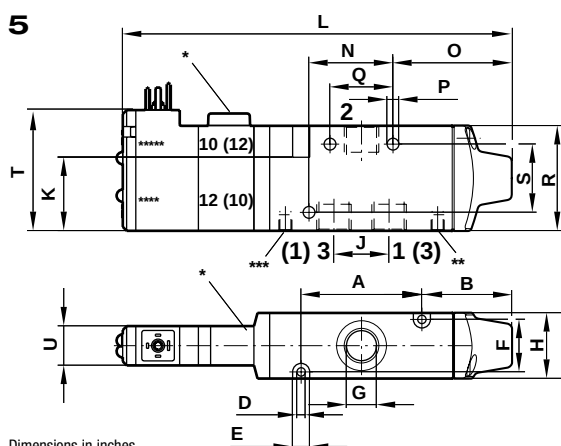
V60-V62 Series

3/2

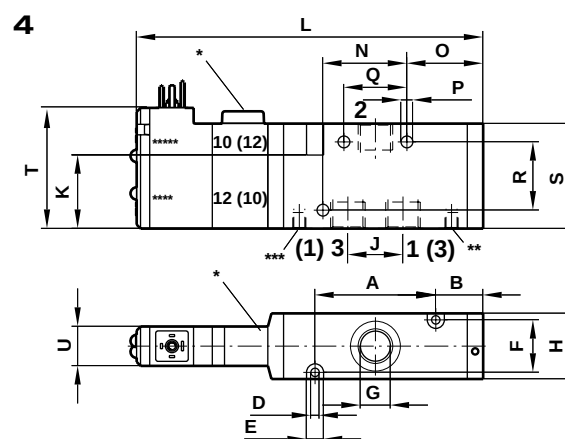
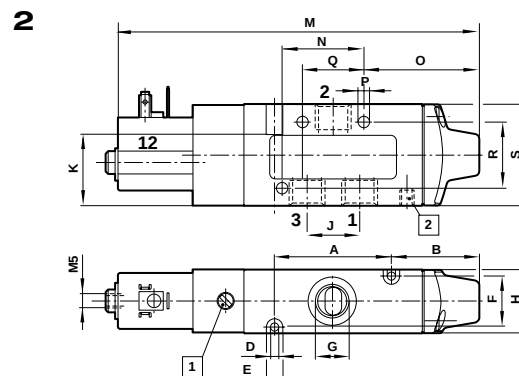
Directional control valves



* Manual override ** External pilot supply 10-32 *** Collected pilot exhaust 10-32 **** Solenoid 1 ***** Solenoid 2



Dimensions in inches

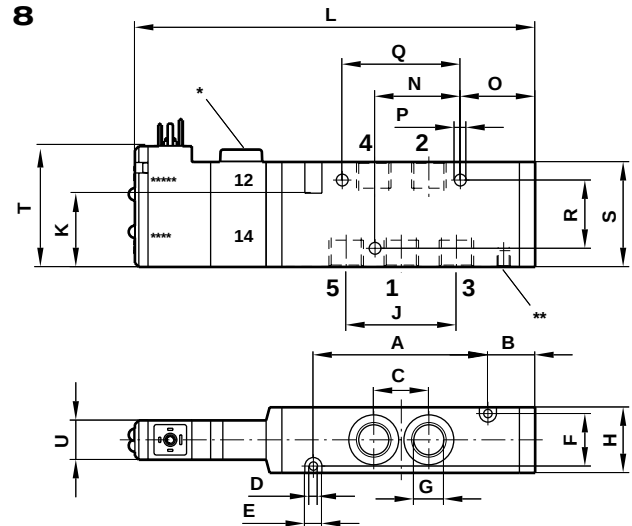
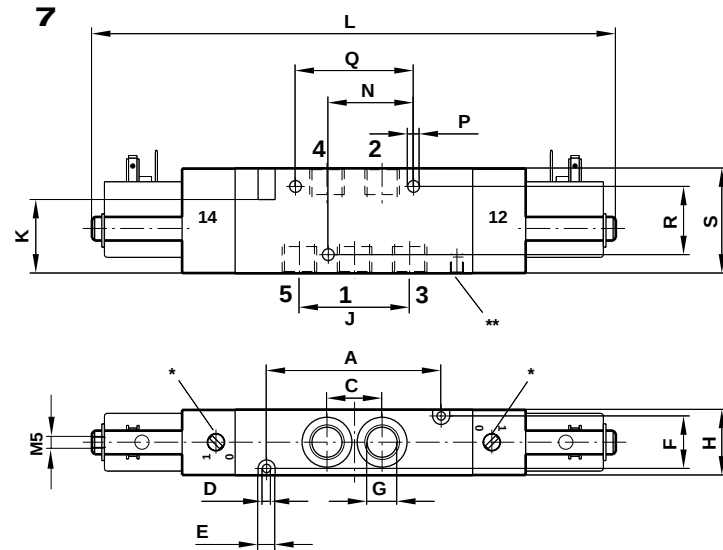


Drawing No	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U
1	V60	1.38	0.67	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	—	4.49	0.98	0.98	0.18	0.71	1.02	1.38	—	—
1	V61	1.81	0.79	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	—	5.22	1.26	1.22	0.18	0.94	1.02	1.57	—	—
1	V62	2.13	0.83	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	—	5.71	0.47	1.42	0.18	1.02	1.42	2.17	—	—
2	V60	1.38	0.67	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	—	4.49	0.98	0.98	0.18	0.71	1.02	1.38	—	—
2	V61	1.81	0.79	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	—	5.22	1.26	1.22	0.18	0.94	1.02	1.57	—	—
2	V62	2.13	0.83	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	—	5.71	0.47	1.34	0.18	1.02	1.42	2.17	—	—
3	V60	1.38	—	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	6.30	—	0.98	—	0.18	0.71	1.02	1.38	—	—
3	V61	1.81	—	—	0.13	0.26	0.79	1/8	0.98	0.83	1.10	7.05	—	1.26	—	0.18	0.94	1.02	1.57	—	—
3	V62	2.13	—	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	7.64	—	0.47	—	0.18	1.02	1.42	2.17	—	—
4	V60	1.38	0.67	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	4.69	—	0.98	0.98	0.18	0.71	1.02	1.38	1.81	0.59
4	V61	1.81	0.71	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	5.24	—	1.26	1.14	0.18	0.94	1.02	1.57	1.81	0.59
4	V62	2.13	0.83	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	5.79	—	0.47	1.42	0.18	1.02	1.42	2.17	2.13	0.59
5	V60	1.38	1.1	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	5.12	—	0.98	1.41	0.18	0.71	1.02	1.38	1.81	0.59
5	V61	1.81	1.28	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	5.81	—	1.26	1.71	0.18	0.94	1.02	1.57	1.81	0.59
5	V62	2.13	1.70	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	6.66	—	0.47	2.29	0.18	1.02	1.42	2.17	2.13	0.59

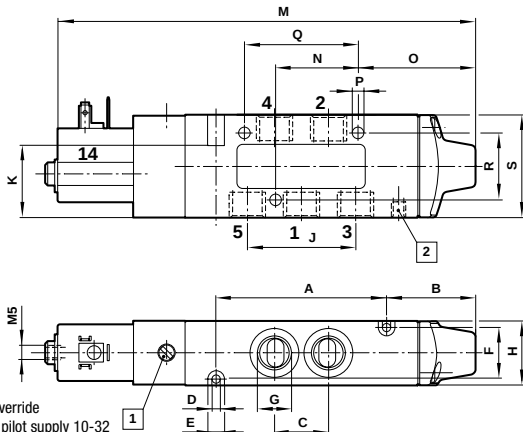
V60-V62 Series

5/2 and 2 x 3/2

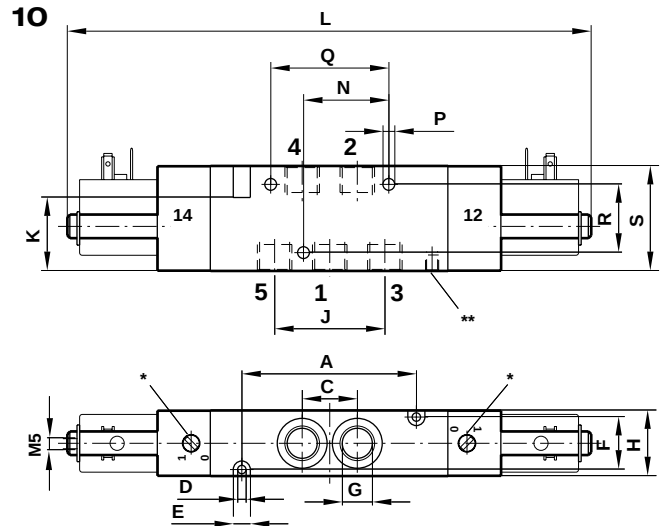
Directional control valves



9 DR_V_M29_R12



* Manual override
** External pilot supply 10-32
*** Collected pilot exhaust 10-32
**** Solenoid 1
***** Solenoid 2



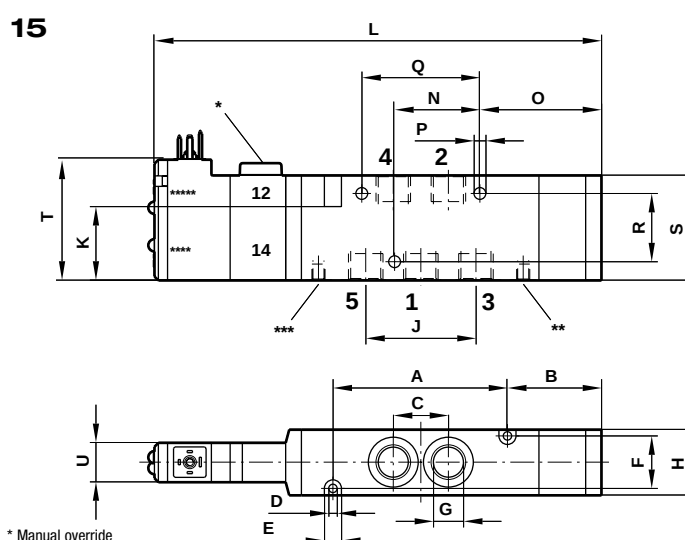
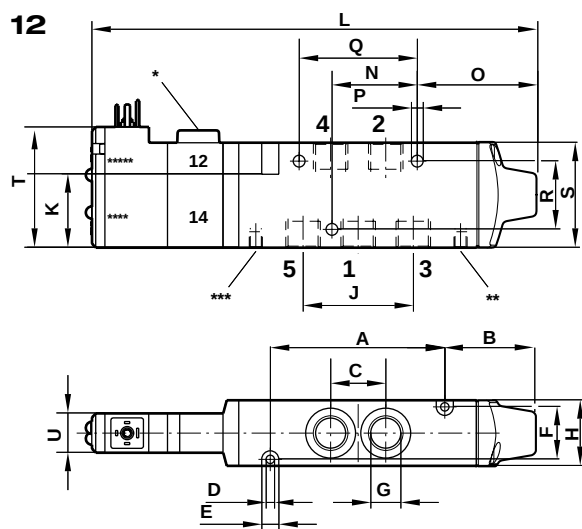
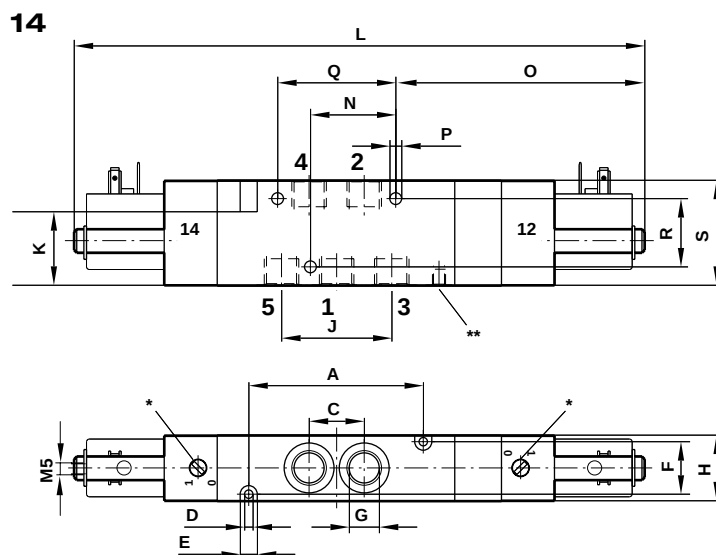
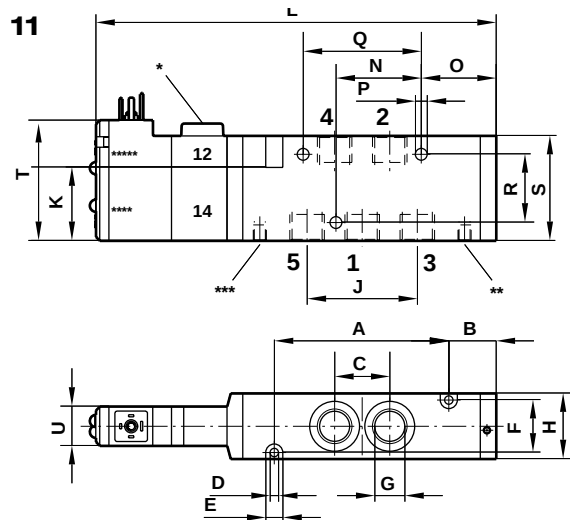
Dimensions in inches

Drawing No	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U
7	V60	1.97	—	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	6.89	—	0.98	—	0.18	1.32	1.02	1.38	—	—
7	V61	2.60	—	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	7.83	—	1.26	—	0.18	1.73	1.02	1.57	—	—
7	V62	3.07	—	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	8.58	—	0.47	—	0.18	1.02	1.42	2.17	—	—
8	V60	1.97	0.67	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	5.28	—	0.98	0.98	0.18	1.32	1.02	1.38	1.81	0.59
8	V61	2.60	0.71	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	6.02	—	1.26	1.14	0.18	1.73	1.02	1.57	1.81	0.59
8	V62	3.07	0.87	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	6.77	—	0.47	2.40	0.18	1.02	1.42	2.17	2.13	0.59
9	V60	1.97	0.67	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	—	5.08	0.98	0.98	0.18	1.32	1.02	1.38	—	—
9	V61	2.60	0.79	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	—	6.00	1.26	1.22	0.18	1.73	1.02	1.57	—	—
9	V62	3.07	0.83	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	—	6.69	0.47	2.36	0.18	1.02	1.42	2.17	—	—
10	V60	1.97	—	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	6.89	—	0.98	—	0.18	1.32	1.02	1.38	—	—
10	V61	2.60	—	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	7.83	—	1.26	—	0.18	1.73	1.02	1.57	—	—
10	V62	3.07	—	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	8.58	—	0.47	—	0.18	1.02	1.42	2.17	—	—

V60-V62 Series

5/2 and 2/3

Directional control valves



* Manual override
 ** External pilot supply 10-32
 *** Collected pilot exhaust 10-32
 **** Solenoid 1
 ***** Solenoid 2

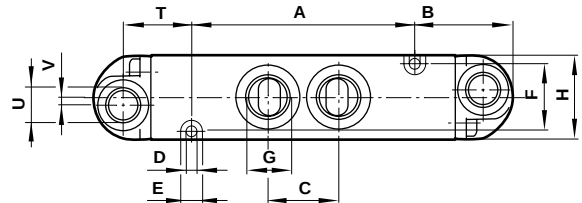
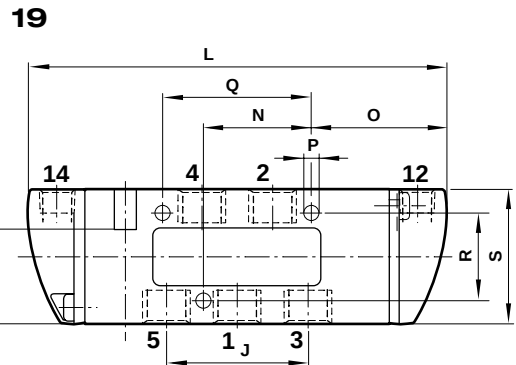
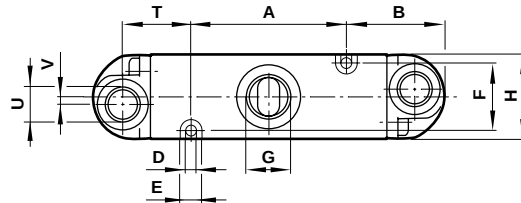
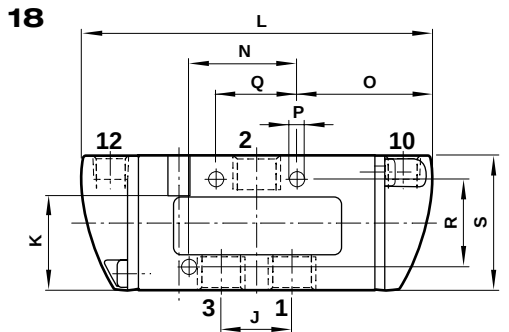
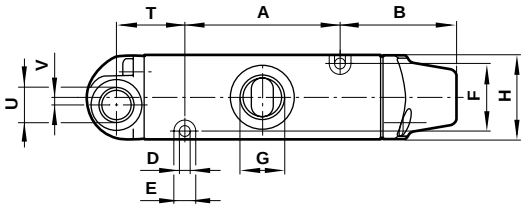
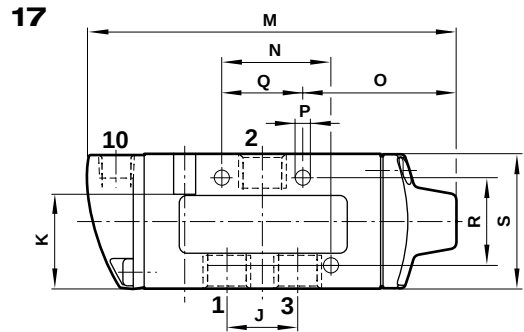
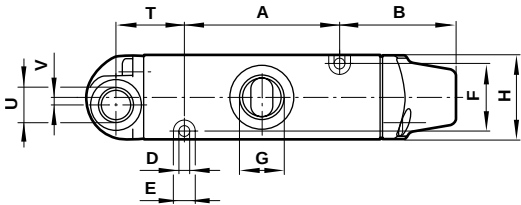
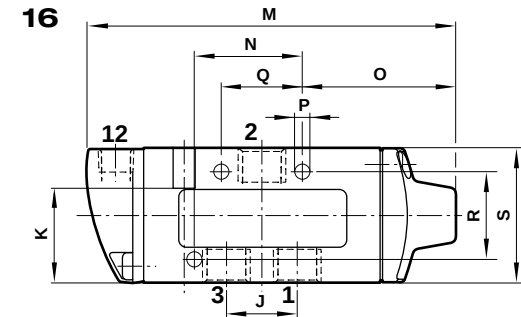
Dimensions in inches

Drawing No.	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U
11	V60	1.97	0.67	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	5.28	—	0.98	0.98	0.18	1.32	1.02	1.38	1.81	0.59
11	V61	2.60	0.71	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	6.02	—	1.26	1.14	0.18	1.73	1.02	1.57	1.81	0.59
11	V62	3.07	0.87	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	6.77	—	0.47	2.40	0.18	1.02	1.42	2.17	2.13	0.59
12	V60	1.97	1.10	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	5.71	—	0.98	1.41	0.18	1.32	1.02	1.38	1.81	0.59
12	V61	2.60	1.28	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	6.59	—	1.26	1.71	0.18	1.73	1.02	1.57	1.81	0.59
12	V62	3.07	1.74	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	7.64	—	0.47	3.27	0.18	1.02	1.42	2.17	2.13	0.59
14	V60	1.97	—	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	7.44	—	0.98	3.33	0.18	1.32	1.02	1.38	—	—
14	V61	2.60	—	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	8.54	—	1.26	—	0.18	1.73	1.02	1.57	—	—
14	V62	3.07	—	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	9.49	—	0.47	5.20	0.18	1.02	1.42	2.17	—	—
15	V60	1.97	1.22	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	5.83	—	0.98	1.54	0.18	1.32	1.02	1.38	1.81	0.59
15	V61	2.60	1.42	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	6.73	—	1.26	1.85	0.18	1.73	1.02	1.57	1.81	0.59
15	V62	3.07	1.75	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	7.68	—	0.47	3.31	0.18	1.02	1.42	2.17	2.13	0.59

V60-V62 Series

3/2 and 2 x 3/2

Directional control valves



Dimensions in inches

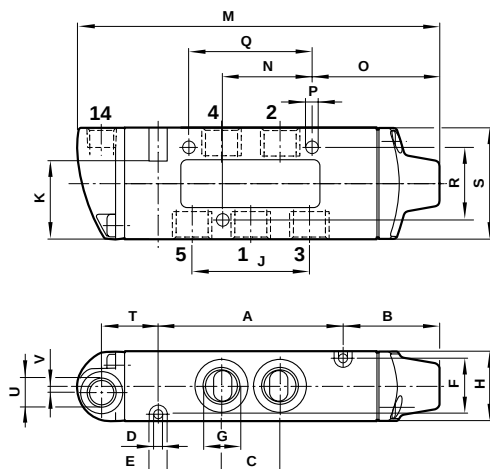
Drawing No.	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U
16	V60	1.38	1.08	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	—	3.54	0.98	1.41	0.18	0.71	1.02	1.38	0.73	1/8" NPT
16	V61	1.81	1.36	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	—	4.33	1.26	1.79	0.18	0.94	1.02	1.57	0.80	1/8" NPT
16	V62	2.13	1.69	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	—	4.88	0.47	2.20	0.18	1.02	1.42	2.17	0.83	1/8" NPT
17	V60	1.38	1.08	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	—	3.54	0.98	1.41	0.18	0.71	1.02	1.38	0.73	1/8" NPT
17	V61	1.81	1.36	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	—	4.33	1.26	1.79	0.18	0.94	1.02	1.57	0.80	1/8" NPT
17	V62	2.13	1.69	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	—	4.88	0.47	2.20	0.18	1.02	1.42	2.17	0.83	1/8" NPT
18	V60	1.38	1.08	—	0.13	0.26	0.67	1/8	0.87	0.64	1.10	3.50	—	0.98	1.40	0.18	0.71	1.02	1.38	0.73	1/8" NPT
18	V61	1.81	1.14	—	0.13	0.26	0.79	1/4	0.98	0.83	1.10	4.09	—	1.26	1.57	0.18	0.94	1.02	1.57	0.80	1/8" NPT
18	V62	2.13	1.06	—	0.18	0.31	1.10	3/8	1.34	0.96	1.73	4.25	—	0.47	1.65	0.18	1.02	1.42	2.17	0.83	1/8" NPT
19	V60	1.97	1.07	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	4.11	—	0.98	1.40	0.18	1.32	1.02	1.38	0.74	1/8" NPT
19	V61	2.60	1.14	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	4.88	—	1.26	1.57	0.18	1.73	1.02	1.57	0.80	1/8" NPT
19	V62	3.07	1.06	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	5.20	—	0.47	2.60	0.18	1.02	1.42	2.17	0.83	1/8" NPT

V60-V62 Series

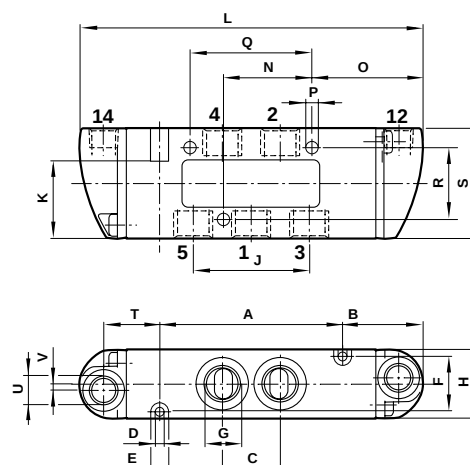
5/2 and 5/3

Directional control valves

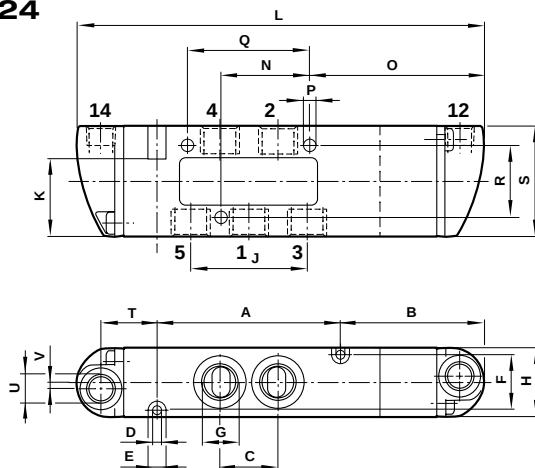
22



23



24



Dimensions in inches

Drawing No.	Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U
22	V60	1.97	1.08	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	—	4.13	0.98	1.41	0.18	1.73	1.02	1.38	0.74	1/8" NPT
22	V61	2.60	1.36	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	—	5.12	1.26	1.79	0.18	1.02	1.02	1.57	0.80	1/8" NPT
22	V62	3.07	1.69	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	—	5.83	0.47	3.23	0.18	1.32	1.42	2.17	0.83	1/8" NPT
23	V60	1.97	1.07	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	4.11	—	0.98	1.40	0.18	1.73	1.02	1.38	0.74	1/8" NPT
23	V61	2.60	1.14	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	4.88	—	1.26	1.57	0.18	1.02	1.02	1.57	0.80	1/8" NPT
23	V62	3.07	1.06	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	5.20	—	0.47	2.60	0.18	1.32	1.42	2.17	0.83	1/8" NPT
24	V60	1.97	1.63	0.64	0.13	0.26	0.67	1/8	0.87	1.28	1.10	4.67	—	0.98	1.95	0.18	1.73	1.02	1.38	0.74	1/8" NPT
24	V61	2.60	2.05	0.83	0.13	0.26	0.79	1/4	0.98	1.65	1.10	5.79	—	1.26	2.48	0.18	1.02	1.02	1.57	0.80	1/8" NPT
24	V62	3.07	1.95	0.96	0.18	0.31	1.10	3/8	1.34	1.92	1.73	6.08	—	0.47	3.48	0.18	1.32	1.42	2.17	0.83	1/8" NPT

V60-V62 Series

3/2, 5/2, 5/3, and 2 x 3/2

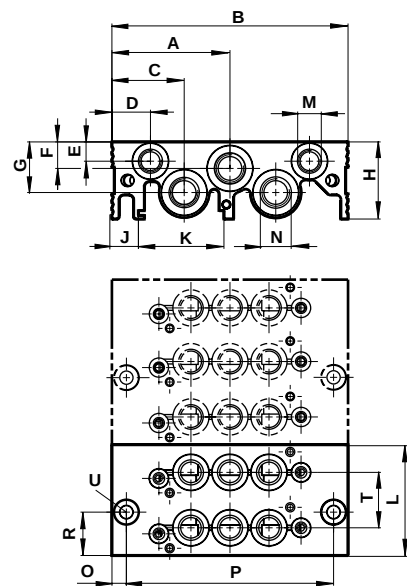
Directional control valves

Manifold plate

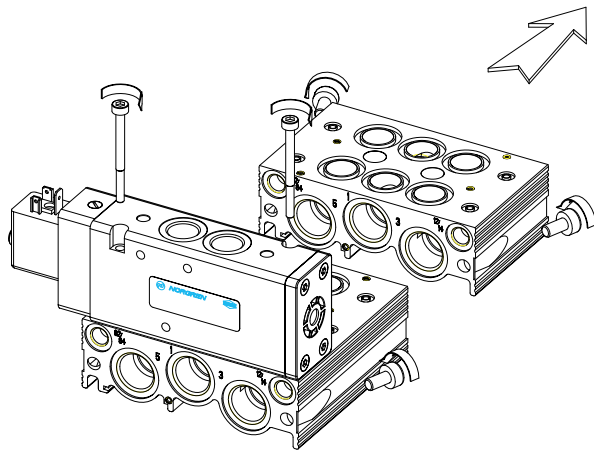
Valve ports	V60	lbs (kg)	V61 Models	lbs (kg)	V62 Models	lbs (kg)
2	2221032	0.51 (0.23)	2221132	0.62 (0.28)	2221232	1.10 (0.50)
3	2221033	0.62 (0.28)	2221133	0.99 (0.45)	2221233	1.87 (0.85)

Note: Fixed length manifolds can only be used with 5-port V60-V62 valves

Drawing dimensions
Manifold plate 2 stations + 3 stations



Extension possibilities with manifold plates



Dimensions in inches

Type		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
V60	2 stations	1.93	3.86	1.18	0.63	0.31	0.43	0.83	1.26	0.43	1.40	1.81	1/8	1/4	0.24	3.39	1.10	—	0.91	10-32
V60	3 stations	1.93	3.86	1.18	0.63	0.31	0.43	0.83	1.26	0.43	1.40	2.72	1/8	1/4	0.24	3.39	1.10	—	0.91	10-32
V61	2 stations	2.05	4.09	1.02	0.35	0.31	0.51	0.83	1.30	0.39	1.40	2.05	1/8	3/8	1.57	0.94	1.02	—	1.02	10-32
V61	3 stations	2.05	4.09	1.02	0.35	0.31	0.51	0.79	1.30	0.39	1.40	3.07	1/8	3/8	1.57	0.94	2.05	—	1.02	10-32
V62	2 stations	2.36	4.72	1.14	0.35	0.31	0.59	0.87	1.50	0.51	1.40	2.76	1/8	1/2	1.73	1.26	1.38	—	1.38	M6
V62	3 stations	2.36	4.72	1.14	0.35	0.31	0.59	0.87	1.50	0.51	1.40	4.13	1/8	1/2	1.73	1.26	2.76	—	1.38	M6

Blanking plate	Pressure shut-off part for 4 station up to 20 station manifolds	Intermediate supply/exhaust plate (instead of a valve)	Adapter plate to connect different manifold sizes	DIN Rail fixing kit
				
0100561 (V60)	0100567 (V60)	0101808 (V60)	0101289 (V60-V61)	0101796 (V60-V62)
0100563 (V61)	0100569 (V61)	0101797 (V61)	0102160 (V61-V62)	
0100565 (V62)	0100571 (V62)	0101809 (V62)	0102162 (V60-V62)	

V60-V62 Series

5/2 and 5/3

Directional control valves

Product De-configuration Tree

