Order chart - Viking Xtreme air pilot & manual valves - Xtreme operating pressure / temperature

P	2	L	A	X	5	1	1	P	S

	Valve family
P2L	Viking inline valve

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

	Version
X	Xtreme duty spool

* Xtreme duty spool suitable for
max operating pressure
16 bar. (P2LAX + P2LBX) 12 bar (P2LCX + P2LDX)
Temperature range -40°C to +60°C

	Port thread
11	G1/8
12	G1/4
13	G3/8
14	G1/2
91	1/8 NPT
92	1/4 NPT
93	3/8 NPT
94	1/2 NPT
1N *	Namur G1/4
9N *	Namur 1/4 NPT

* Not available in 3/2 version

Valve type function		
Manual and pneumatic operated		
3		3/2 valve
5		5/2 valve
6		5/3 valve closed centre position
7		5/3 valve pressurised centre
8		5/3 valve vented centre

	Pilot main actuator/return
J ***	Rotary button - 2 positions
P	Air signal
S	Spring (return only)
V	Lever, 2 positions, 90° to ports
Z ***	Lever, 2 positions, in line with ports
1 **	Lever, 3 positions self centred, 90° to ports
2 **	Lever, held 3 positions, 90° to ports
5 ***	Lever, 3 positions, self centered in line with port
6 ***	Lever, 3 positions, held in position in line with port
7 ***	Rotary button - 3 positions held in position

** Not available in 3/2 version

*** Only Available with port threads G1/4 and 1/4 NPT

Shaded part numbers are standard

Parker Hannifin Corporation
Pneumatic Division - Europe

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Pneumatic pilot operated valves - Xtreme operating pressure / temperature

Max operating pressure 16 bar (A & B) 12 bar (C & D). temp range -40°C to +60°C

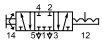
Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg	Order code
3/2 valves, temperature -40°C to +60°C							
	G1/8	Air signal	Air signal	1,5	5/5	0,30	**P2LAX311PP**
	G1/4			1,5	5/5	0,30	**P2LBX312PP**
	G3/8			1,5	8/8	0,45	**P2LCX313PP**
	G1/2			1,5	9/9	0,45	**P2LDX314PP**
	G1/8	Air signal	Spring	3,2	8/15	0,30	**P2LAX311PS**
	G1/4			3,5	10/20	0,30	**P2LBX312PS**
	G3/8			3,5	10/30	0,45	**P2LCX313PS**
	G1/2			3,5	10/30	0,45	**P2LDX314PS**
5/2 valves, temperature -40°C to +60°C							
	G1/8	Air signal	Air signal	1,5	5/5	0,14	**P2LAX511PP**
	G1/4			1,5	6/6	0,30	**P2LBX512PP**
	G3/8			1,5	8/8	0,45	**P2LCX513PP**
	G1/2			1,5	9/9	0,45	**P2LDX514PP**
	G1/8	Air signal	Spring	3,2	8/15	0,15	**P2LAX511PS**
	G1/4			3,5	10/20	0,32	**P2LBX512PS**
	G3/8			3,5	10/30	0,45	**P2LCX513PS**
	G1/2			3,5	10/30	0,45	**P2LDX514PS**
5/3 valves, temperature -40°C to +60°C							
	G1/8	Air signal	Air signal	3,5	10/20	0,15	**P2LAX611PP**
	G1/4	Closed centre	Self	3,5	12/22	0,33	**P2LBX612PP**
	G3/8	position	centring	3,5	15/35	0,50	**P2LCX613PP**
	G1/2			3,5	15/35	0,50	**P2LDX614PP**
	G1/8	Air signal	Air signal	3,5	10/20	0,15	**P2LAX811PP**
	G1/4	Vented centre	Self	3,5	12/22	0,33	**P2LBX812PP**
	G3/8	position	centring	3,5	15/35	0,50	**P2LCX813PP**
	G1/2			3,5	15/35	0,50	**P2LDX814PP**
	G1/8	Air signal	Air signal	3,5	10/20	0,15	**P2LAX711PP**
	G1/4	Pressurised	Self	3,5	12/22	0,33	**P2LBX712PP**
	G3/8	centre	centring	3,5	15/35	0,50	**P2LCX713PP**
	G1/2	position		3,5	15/35	0,50	**P2LDX714PP**

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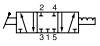
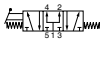
Pneumatic twist operated valves - Xtreme operating pressure / temperature

Max operating pressure 16 bar. Temp range -40°C to +60°C

Symbol	Size	Actuation	Return	Changeover Angle	Weight Kg	Order code
3/2 valves, temperature -40°C to +60°C						
	G1/4	Twist	Twist	45	0.34	**P2LBX312JJ**
5/2 valves, temperature -40°C to +60°C						
	G1/4	Twist	Twist	45	0.37	**P2LBX512JJ**
5/3 valves, temperature -40°C to +60°C						
	G1/4	Twist	Twist	54	0.41	**P2LBX71277**
	G1/4	Twist	Twist	54	0.41	**P2LBX61277**
	G1/4	Twist	Twist	54	0.41	**P2LBX81277**

Lever operated directional control valves, lever 90° to ports

Max operating pressure 16 bar (A & B) 12 bar (C & D). temp range -40°C to +60°C

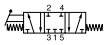
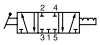
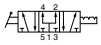
Symbol	Size	Actuation	Return	Changeover angle	Changeover Force	Type	Weight Kg	Order code
3/2 valves, standard temperature / Low temperature, lever 90° to ports								
	G1/8	Lever	Lever	20°	9 N	Std.	0,33	**P2LAX311VV**
	G1/4	Lever	Lever	20°	9 N	Std.	0,33	**P2LBX312VV**
	G3/8	Lever	Lever	32°	25 N	Std.	0,40	**P2LCX313VV**
	G1/2	Lever	Lever	32°	25 N	Std.	0,60	**P2LDX314VV**
	G1/8	Lever	Spring	20°	10N	Std.	0,33	**P2LAX311VS**
	G1/4	Lever	Spring	20°	10N	Std.	0,33	**P2LBX312VS**
	G3/8	Lever	Spring	32°	15 N	Std.	0,40	**P2LCX313VS**
	G1/2	Lever	Spring	32°	15 N	Std.	0,60	**P2LDX314VS**
5/2 valves, standard temperature / Low temperature, lever 90° to ports								
	G1/8	Lever	Lever	28°	9 N	Std.	0,18	**P2LAX511VV**
	G1/4	Lever	Lever	20°	9 N	Std.	0,33	**P2LBX512VV**
	G3/8	Lever	Lever	32°	25 N	Std.	0,40	**P2LCX513VV**
	G1/2	Lever	Lever	32°	25 N	Std.	0,60	**P2LDX514VV**
	G1/8	Lever	Spring	28°	10N	Std.	0,18	**P2LAX511VS**
	G1/4	Lever	Spring	20°	10N	Std.	0,33	**P2LBX512VS**
	G3/8	Lever	Spring	32°	15 N	Std.	0,40	**P2LCX513VS**
	G1/2	Lever	Spring	32°	15 N	Std.	0,60	**P2LDX514VS**
5/3 valves, low temperature, lever 90° to ports								
	G1/8	Lever	Lever	±14°	15 N	Std.	0,18	**P2LAX61122**
	G1/4	Closed centre position held in three positions		±12°	15 N	Std.	0,33	**P2LBX61222**
	G3/8			±16°	17 N	Std.	0,71	**P2LCX61322**
	G1/2			±16°	17 N	Std.	0,73	**P2LDX61422**
	G1/8	Lever	Lever	±14°	15 N	Std.	0,18	**P2LAX81122**
	G1/4	Exhausted centre position held in three positions		±12°	15 N	Std.	0,33	**P2LBX81222**
	G3/8			±16°	17 N	Std.	0,71	**P2LCX81322**
	G1/2			±16°	17 N	Std.	0,73	**P2LDX81422**
	G1/8	Lever	Lever	±14°	15 N	Std.	0,18	**P2LAX71122**
	G1/4	Pressure applied centre position held in three positions		±12°	15 N	Std.	0,33	**P2LBX71222**
	G3/8			±16°	17 N	Std.	0,71	**P2LCX71322**
	G1/2			±16°	17 N	Std.	0,73	**P2LDX71422**
	G1/8	Lever	Lever	±14°	16 N	Std.	0,18	**P2LAX61111**
	G1/4	Closed centre position Self centring		±12°	16 N	Std.	0,33	**P2LBX61211**
	G3/8			±16°	30 N	Std.	0,71	**P2LCX61311**
	G1/2			±16°	30 N	Std.	0,73	**P2LDX61411**
	G1/8	Lever	Lever	±14°	16 N	Std.	0,18	**P2LAX81111**
	G1/4	Exhausted centre position Self centring		±12°	16 N	Std.	0,33	**P2LBX81211**
	G3/8			±16°	30 N	Std.	0,71	**P2LCX81311**
	G1/2			±16°	30 N	Std.	0,73	**P2LDX81411**
	G1/8	Lever	Lever	±14°	16 N	Std.	0,18	**P2LAX71111**
	G1/4	Pressure applied centre position Self centring		±12°	16 N	Std.	0,33	**P2LBX71211**
	G3/8			±16°	30 N	Std.	0,71	**P2LCX71311**
	G1/2			±16°	30 N	Std.	0,73	**P2LDX71411**

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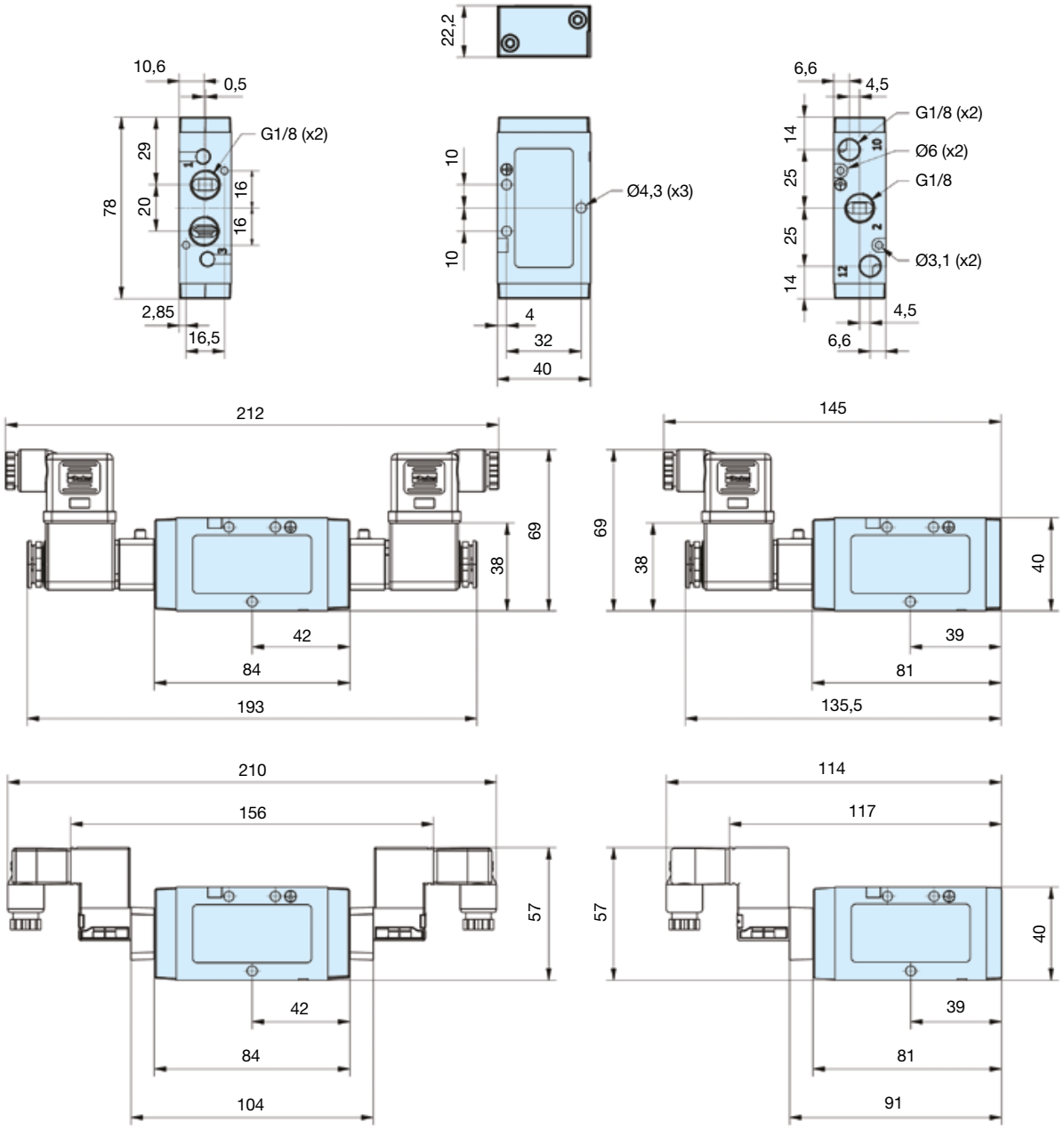
Lever operated directional control valves, lever in line with ports

Max operating pressure 16 bar. Temp range -40°C to +60°C

Symbol	Size	Actuation	Return	Changeover angle	Changeover Force	Type	Weight Kg	Order code
3/2 valves, temperature -40°C to +60°C, Lever In Line with ports								
	G1/4	Lever	Lever	26°	18 N	Std.	0,42	**P2LBX312ZZ**
	G1/4	Lever	Spring	26°	18 N	Std.	0,42	**P2LBX312ZS**
5/2 valves, temperature -40°C to +60°C, Lever In Line with ports								
	G1/4	Lever	Lever	26°	18 N	Std.	0,45	**P2LBX512ZZ**
	G1/4	Lever	Spring	26°	18 N	Std.	0,45	**P2LBX512ZS**
5/3 valves, temperature -40°C to +60°C, Lever In Line with ports								
	Closed centre position self centering G1/4	Lever	Lever	15° / 15°	24 N	Std.	0,51	**P2LBX61255**
	Pressure applied centre position self centering G1/4	Lever	Lever	15° / 15°	24 N	Std.	0,51	**P2LBX71255**
	Exhausted centre position self centering G1/4	Lever	Lever	15° / 15°	24 N	Std.	0,51	**P2LBX81255**
	Closed centre position held in three positions G1/4	Lever	Lever	15° / 15°	18 N	Std.	0,48	**P2LBX61266**
	Pressure applied centre position held in three positions G1/4	Lever	Lever	15° / 15°	18 N	Std.	0,48	**P2LBX71266**
	Exhausted centre position held in three positions G1/4	Lever	Lever	15° / 15°	18 N	Std.	0,48	**P2LBX81266**

Dimensions

P2LAX... all
3/2 valves

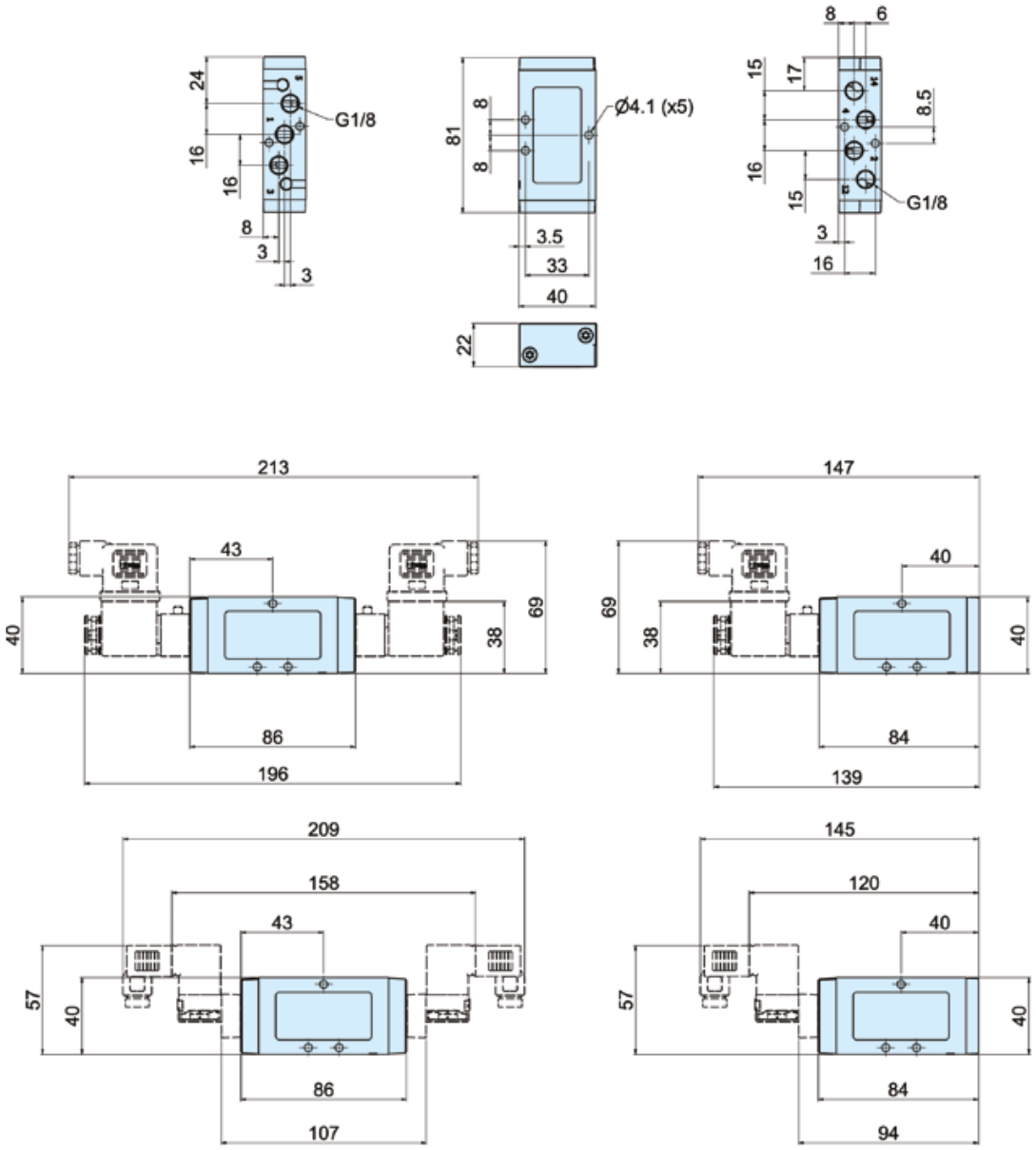


Solenoid valves
Cable plugs must be ordered separately.
One pilot valve is required for each E in the valve order code.

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Dimensions

P2LAX... all
5/2 and 5/3 valves

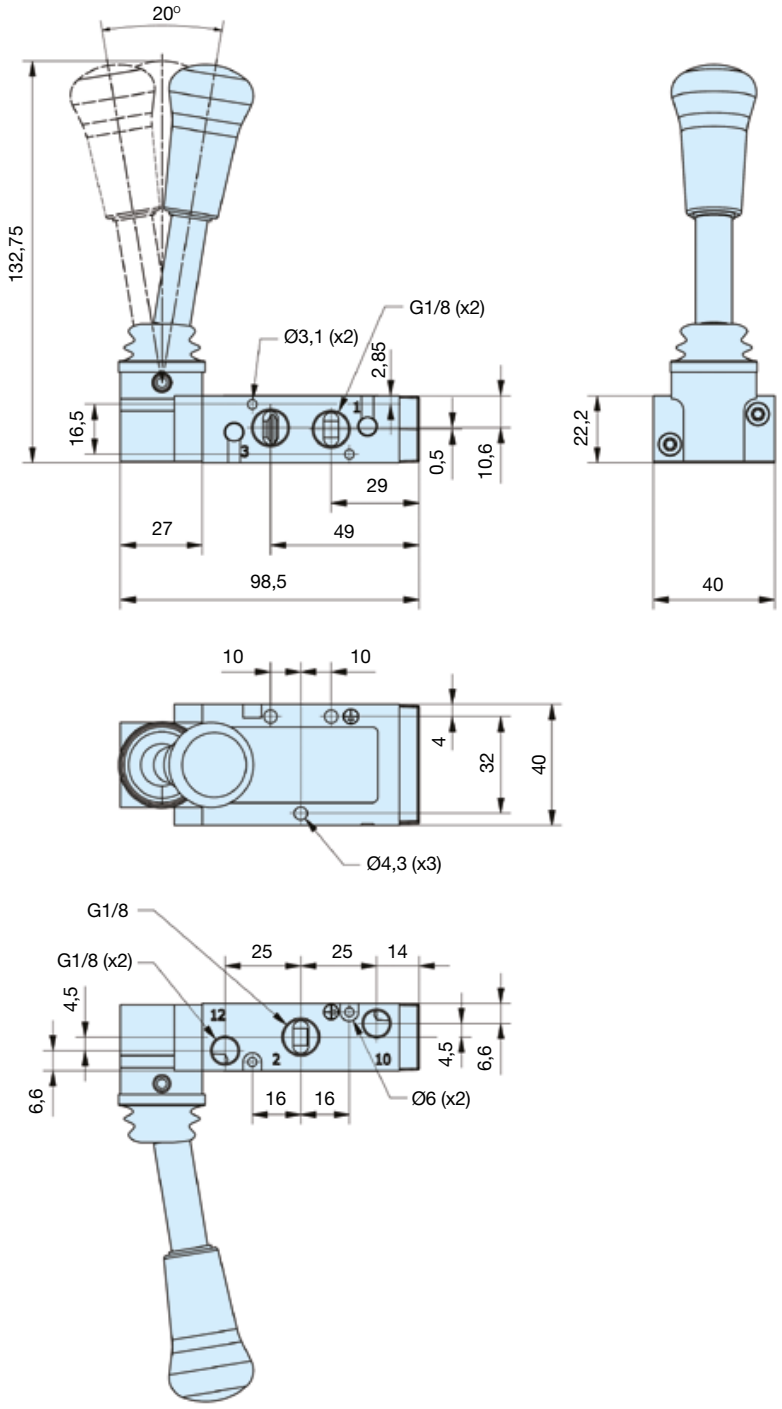


Solenoid valves
Cable plugs must be ordered separately.
One pilot valve is required for each E in the valve order code.

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Dimensions

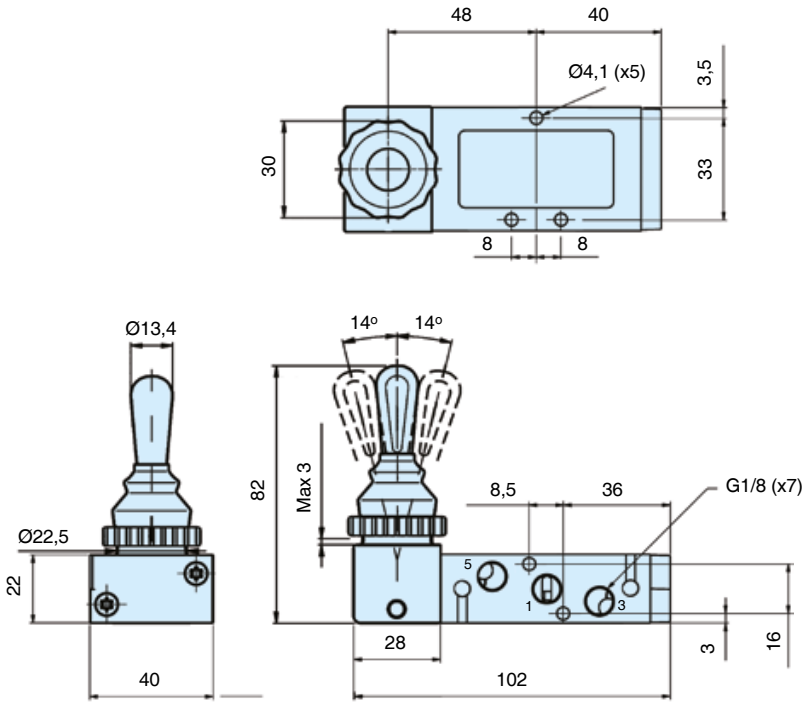
P2LAX - 3/2 Lever operated directional control valves



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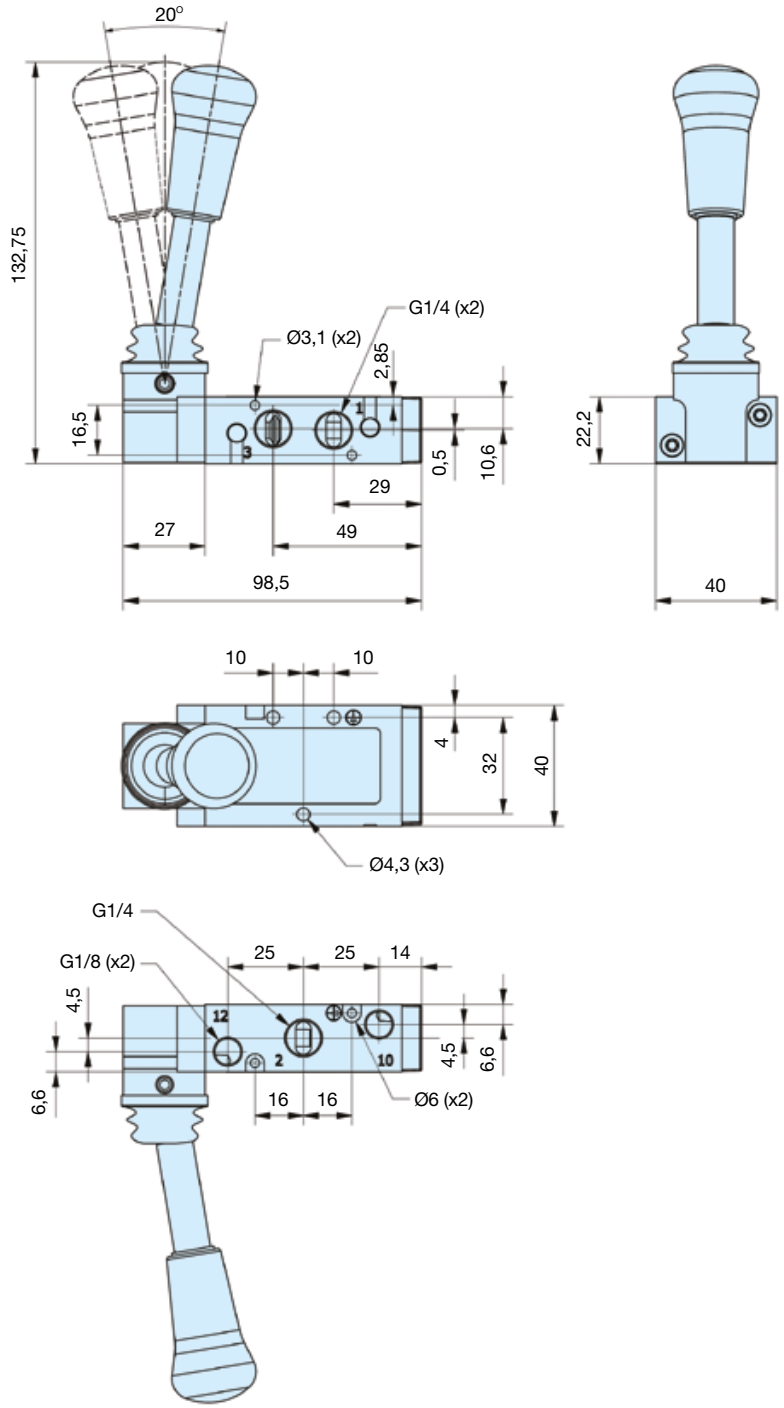
Dimensions

P2LAX - 5/2 & 5/3 Lever operated directional control valves



Dimensions

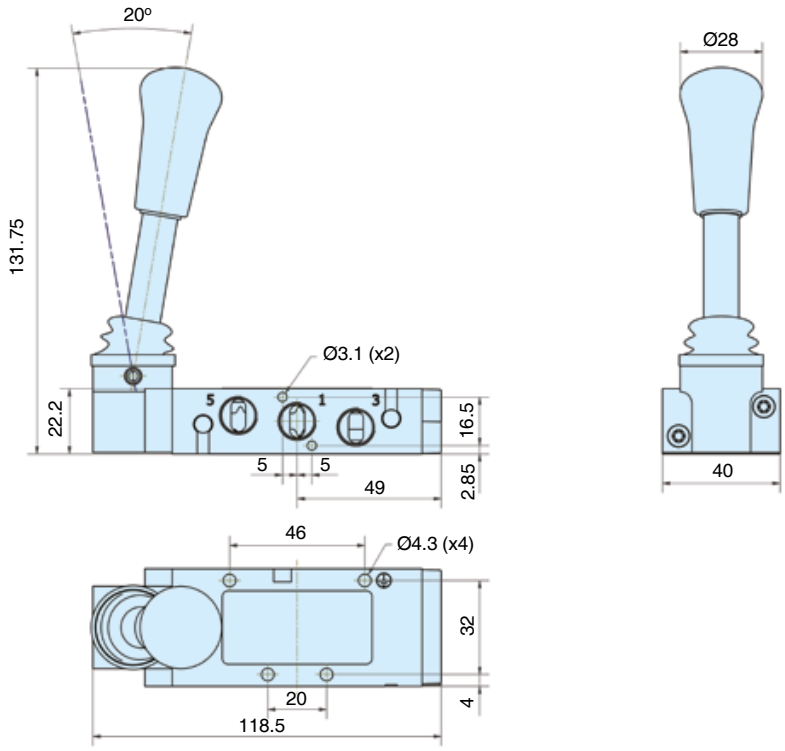
P2LBX - 3/2 Lever operated directional control valves



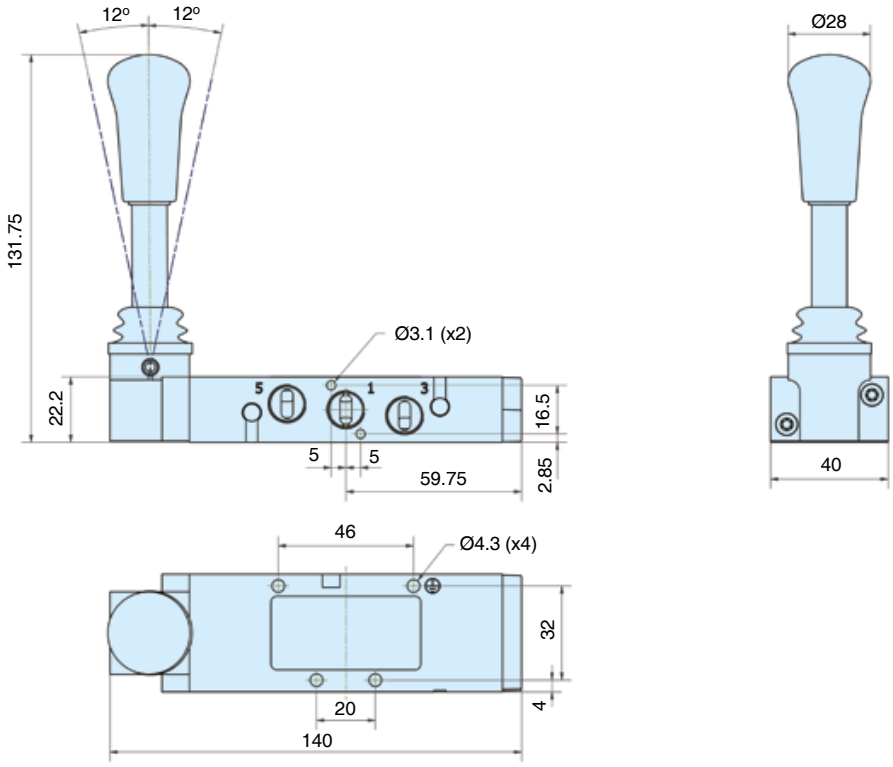
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Dimensions

P2LBX - 5/2 Lever operated directional control valves

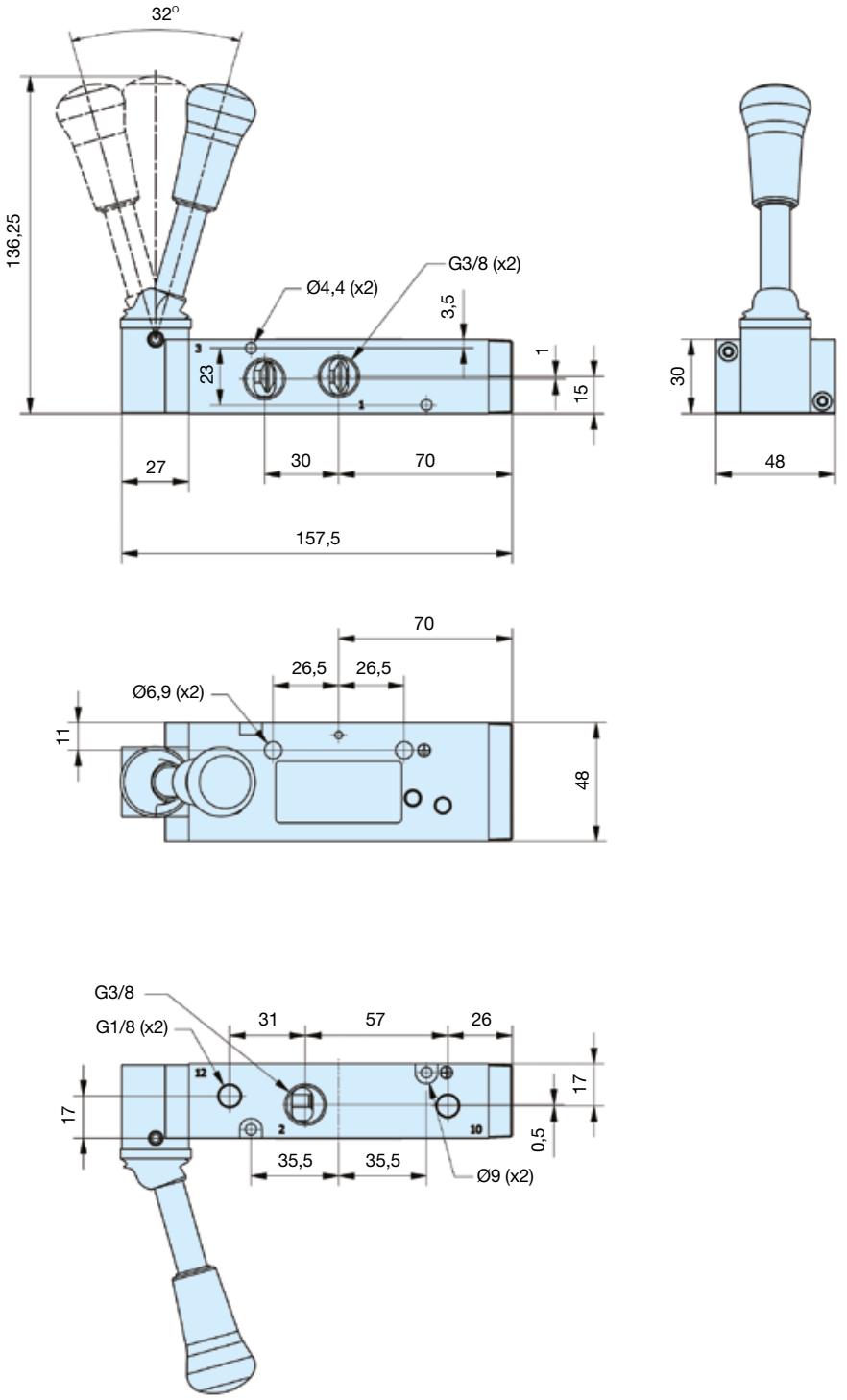


P2LBX - 5/3 Lever operated directional control valves



Dimensions

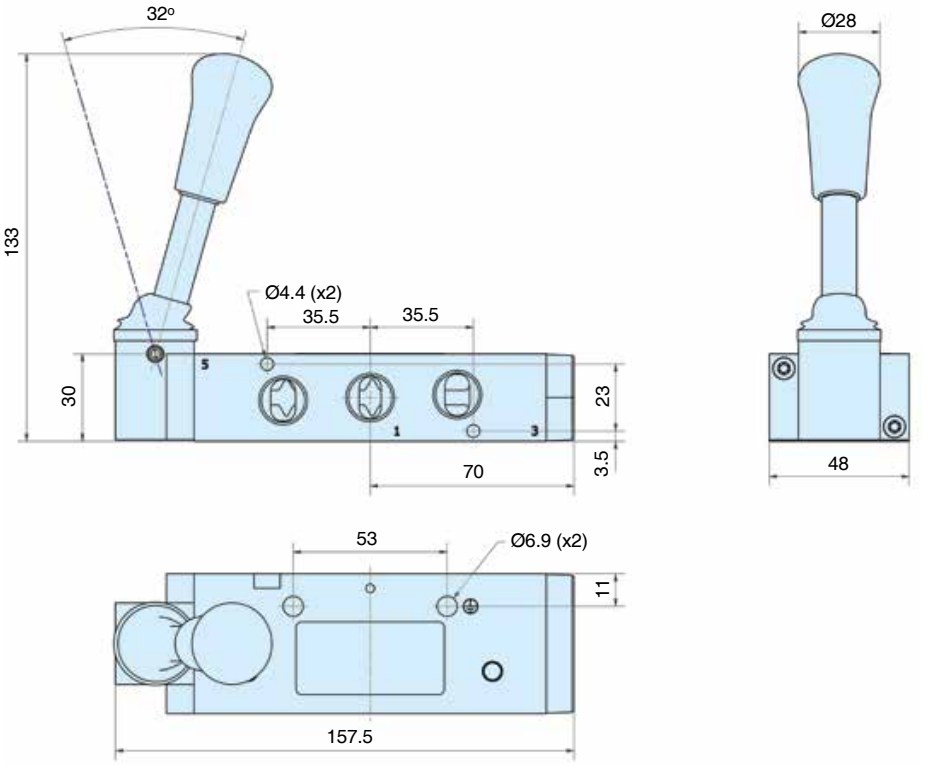
P2LCX - 3/2 Lever operated directional control valves



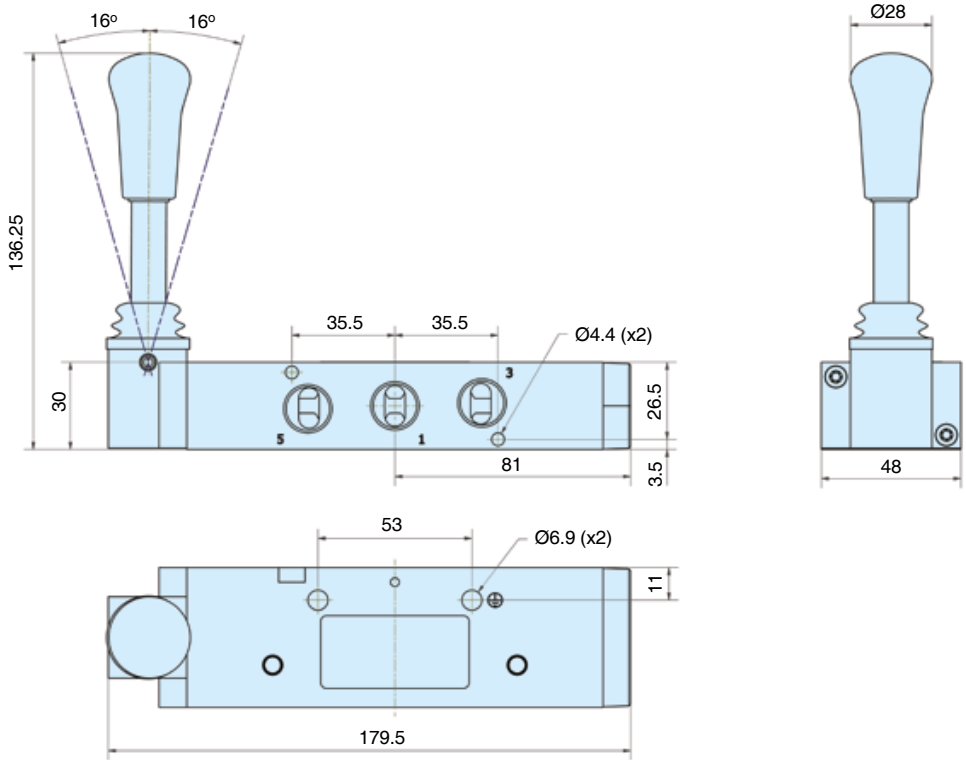
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Dimensions

P2LCX - 5/2 Lever operated directional control valves



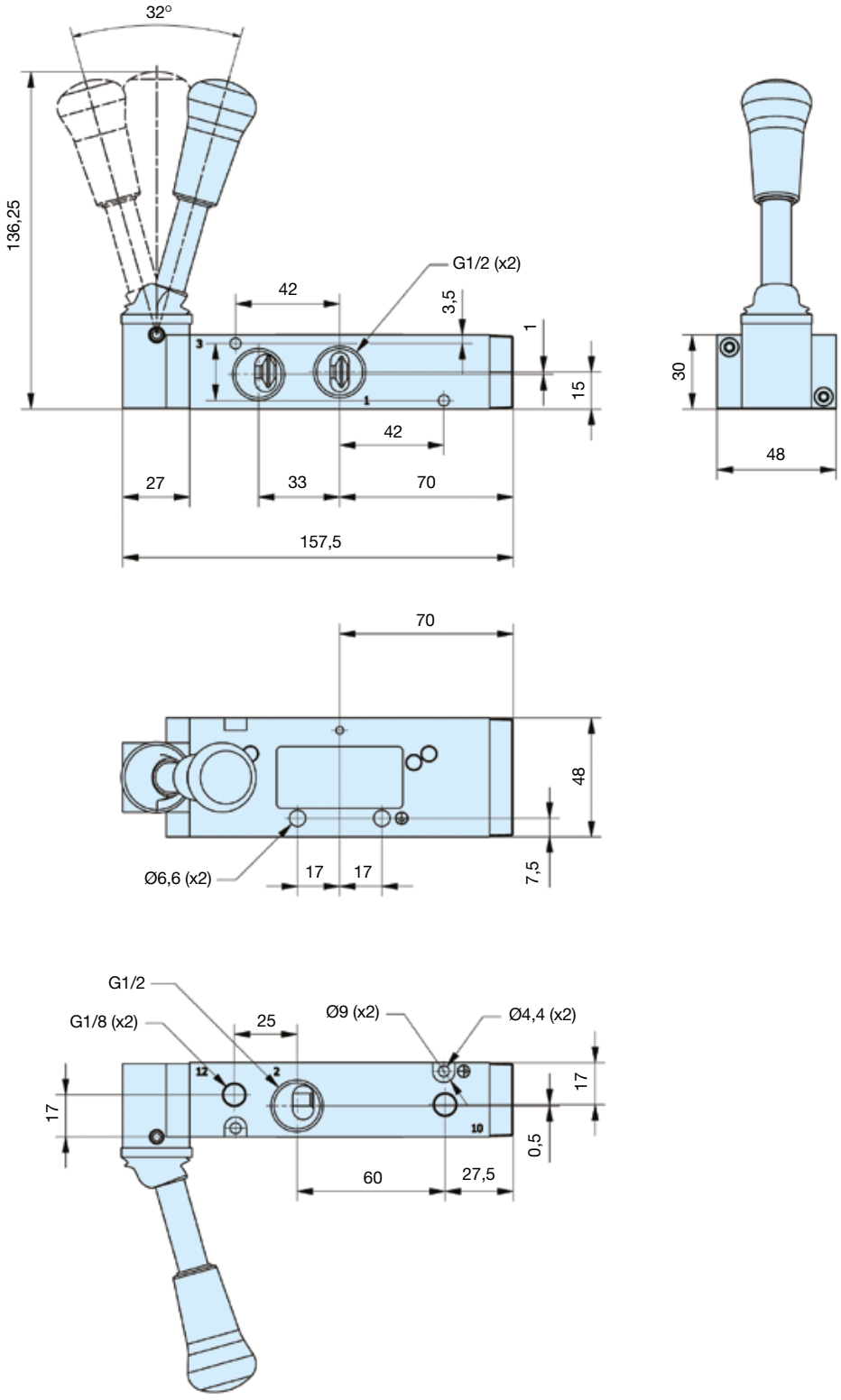
P2LCX - 5/3 Lever operated directional control valves



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Dimensions

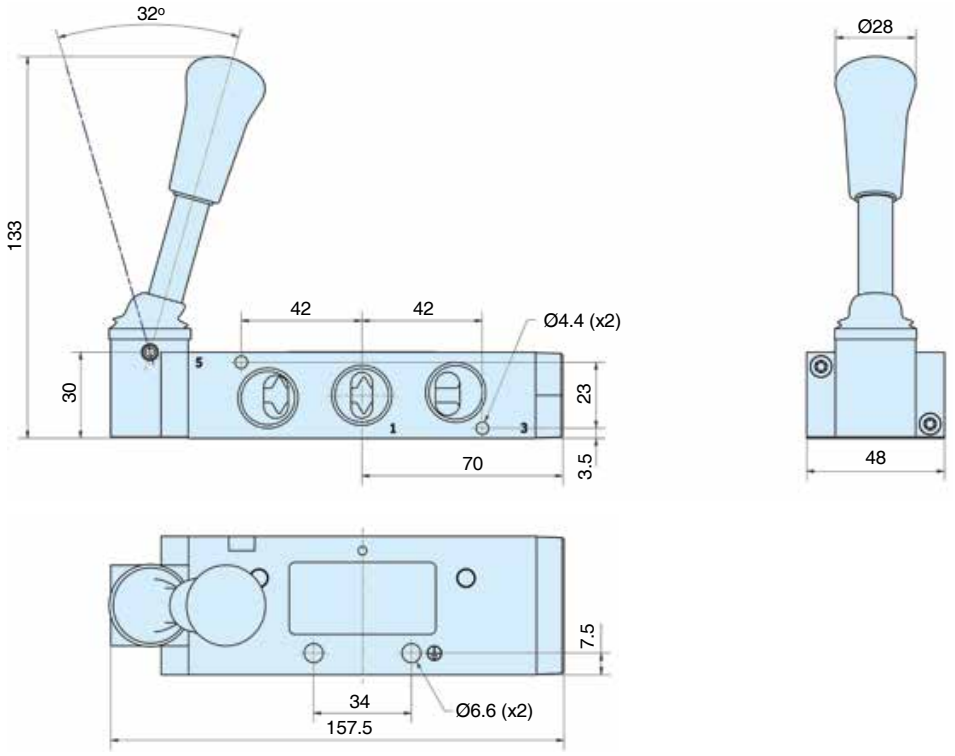
P2LDX - 3/2 Lever operated directional control valves



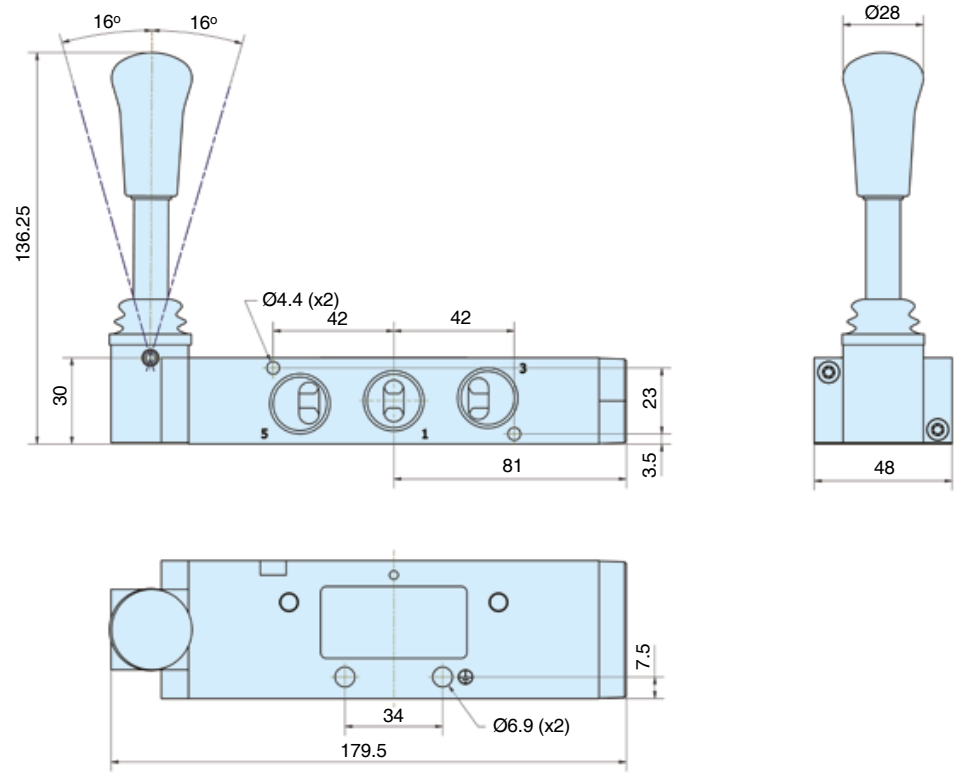
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Dimensions

P2LDX - 5/2 Lever operated directional control valves

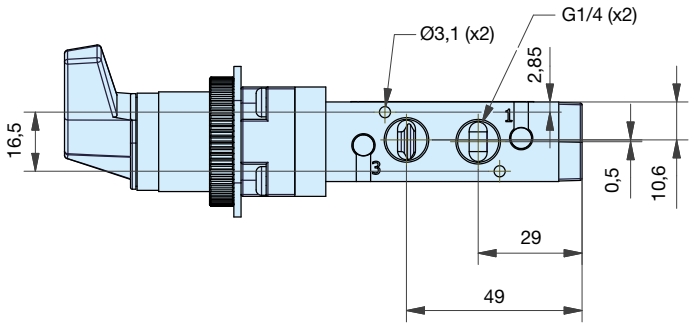


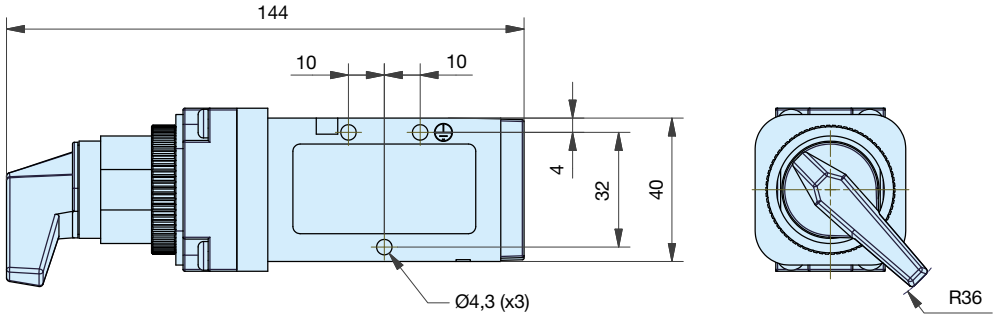
P2LDX - 5/3 Lever operated directional control valves

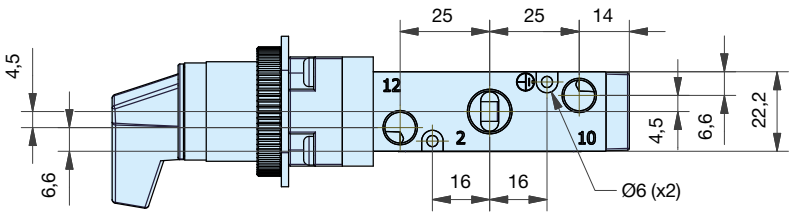


Dimensions

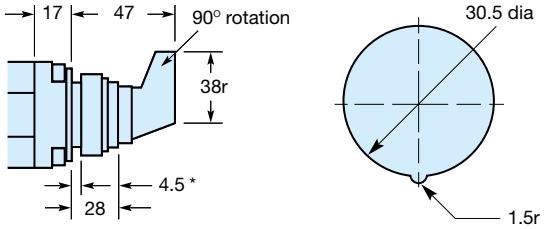
P2LBX - 3/2 Twist operated directional control valves







Panel cut-out details

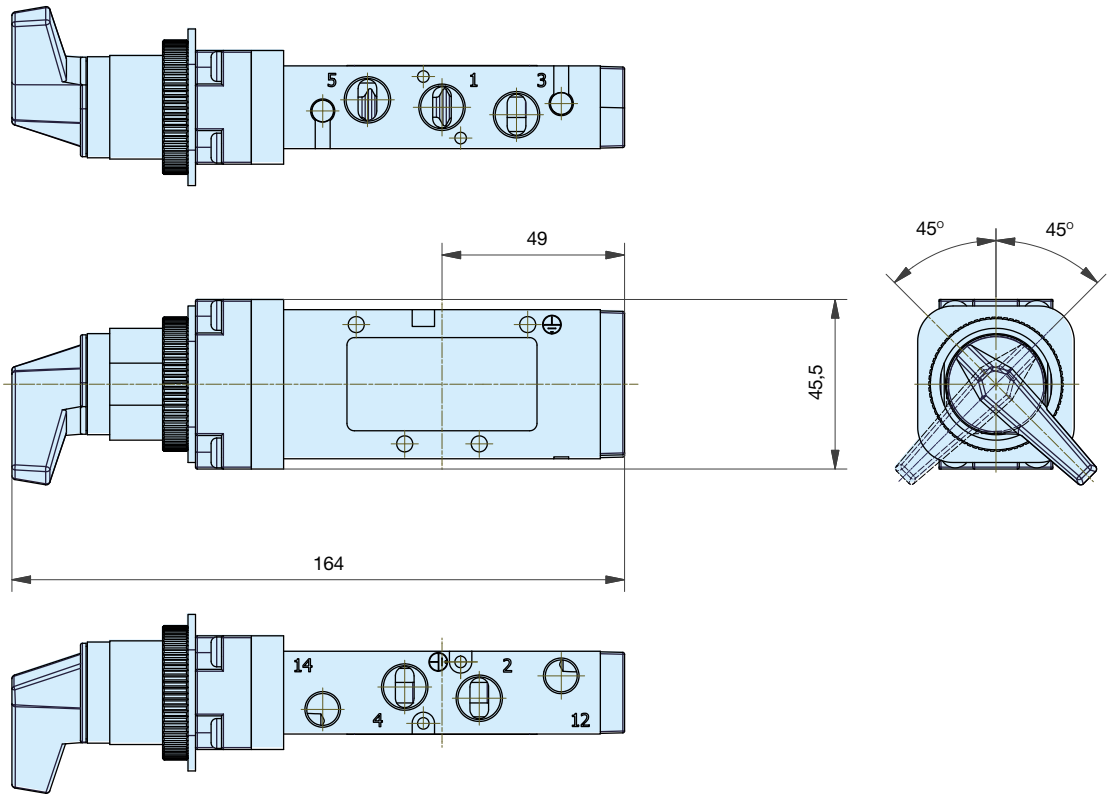


* Max panel thickness

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Dimensions

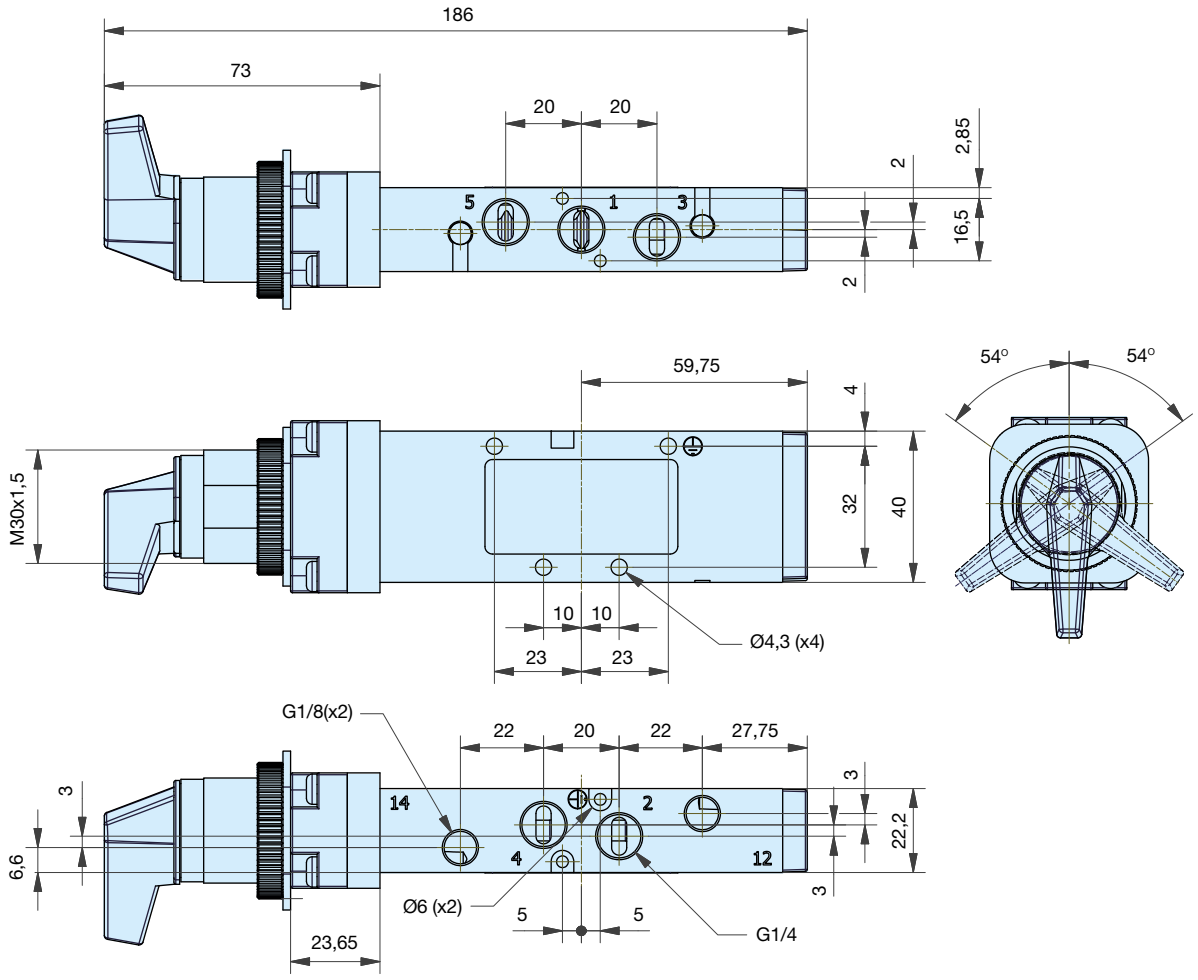
P2LBX - 5/2 Twist operated directional control valves



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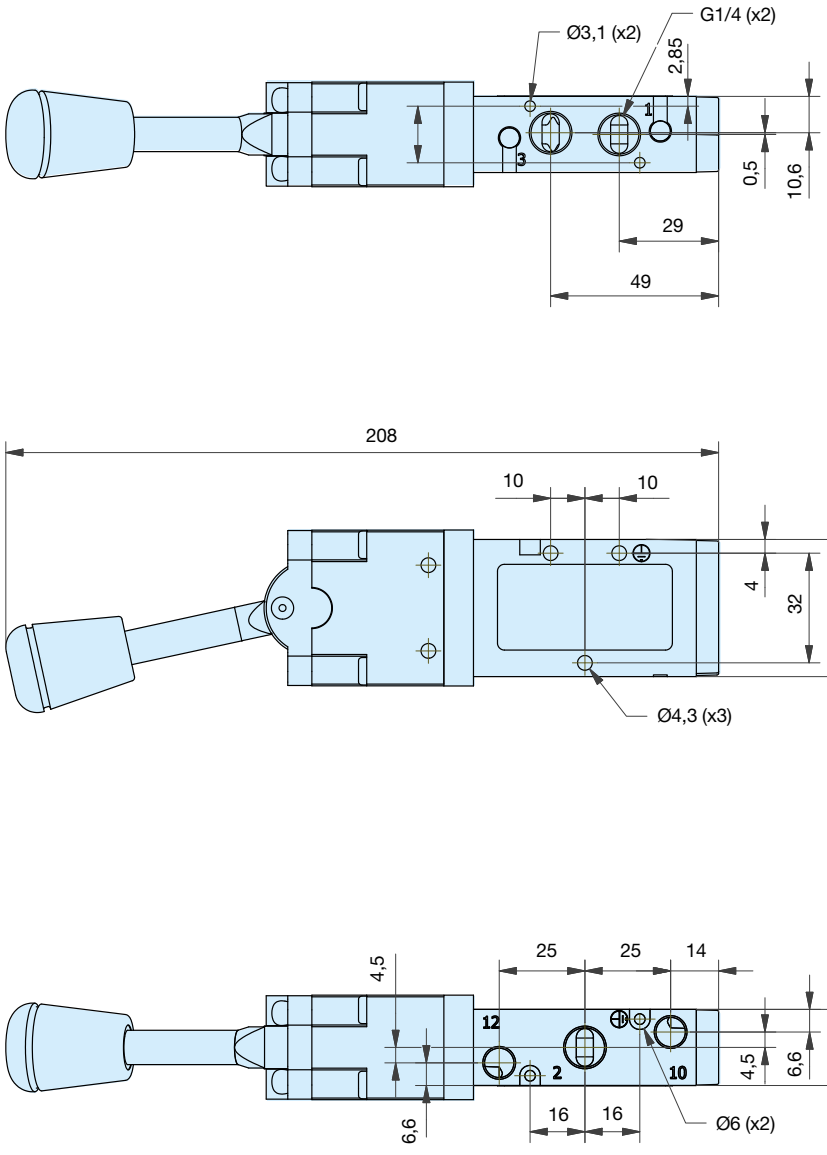
Dimensions

P2LBX - 5/3 Twist operated directional control valves



Dimensions

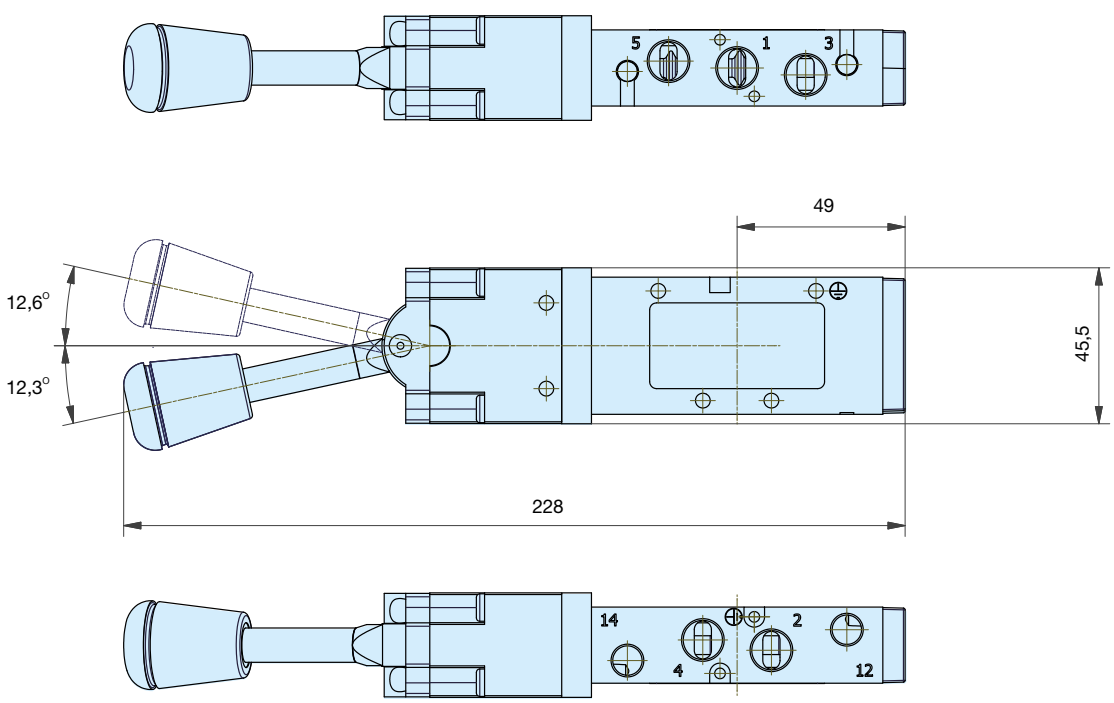
P2LBX - 3/2 Lever



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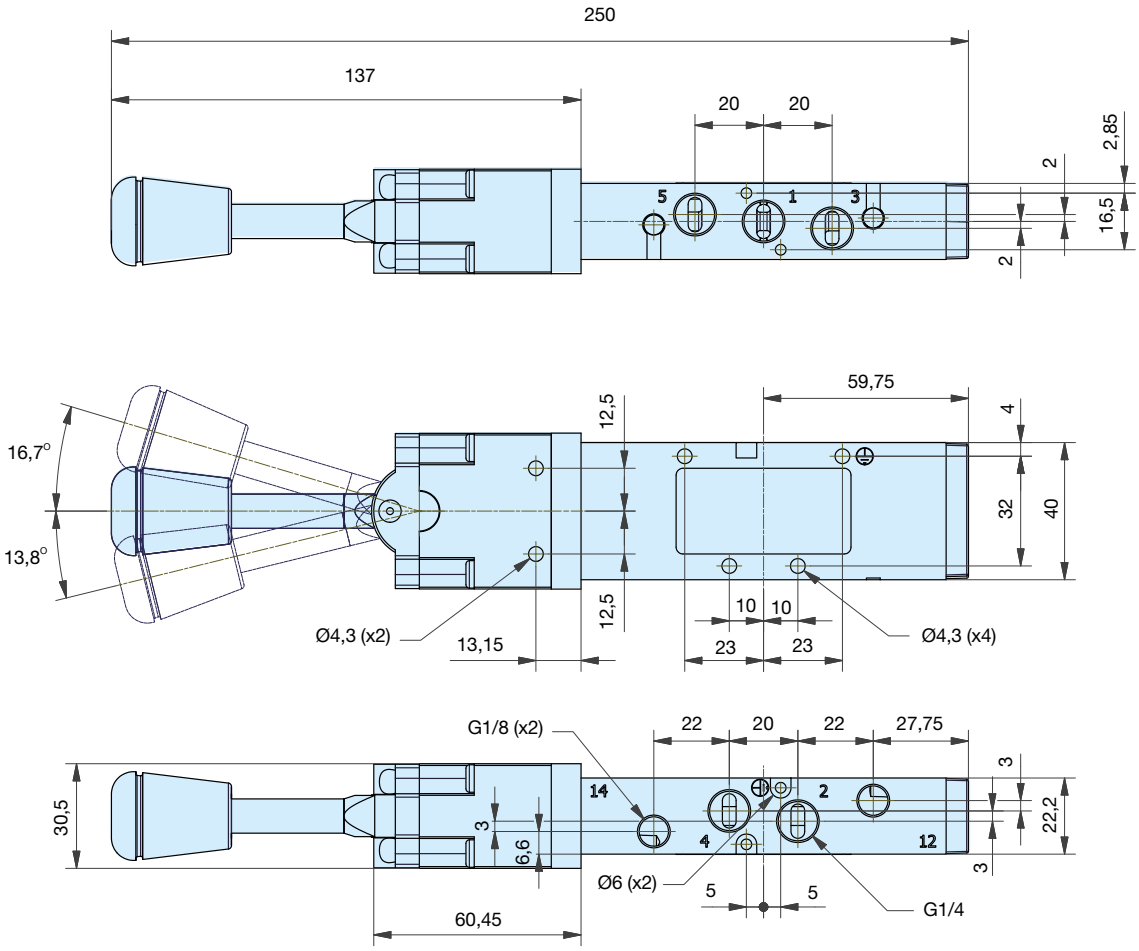
Dimensions

P2LBX - 5/2 Lever



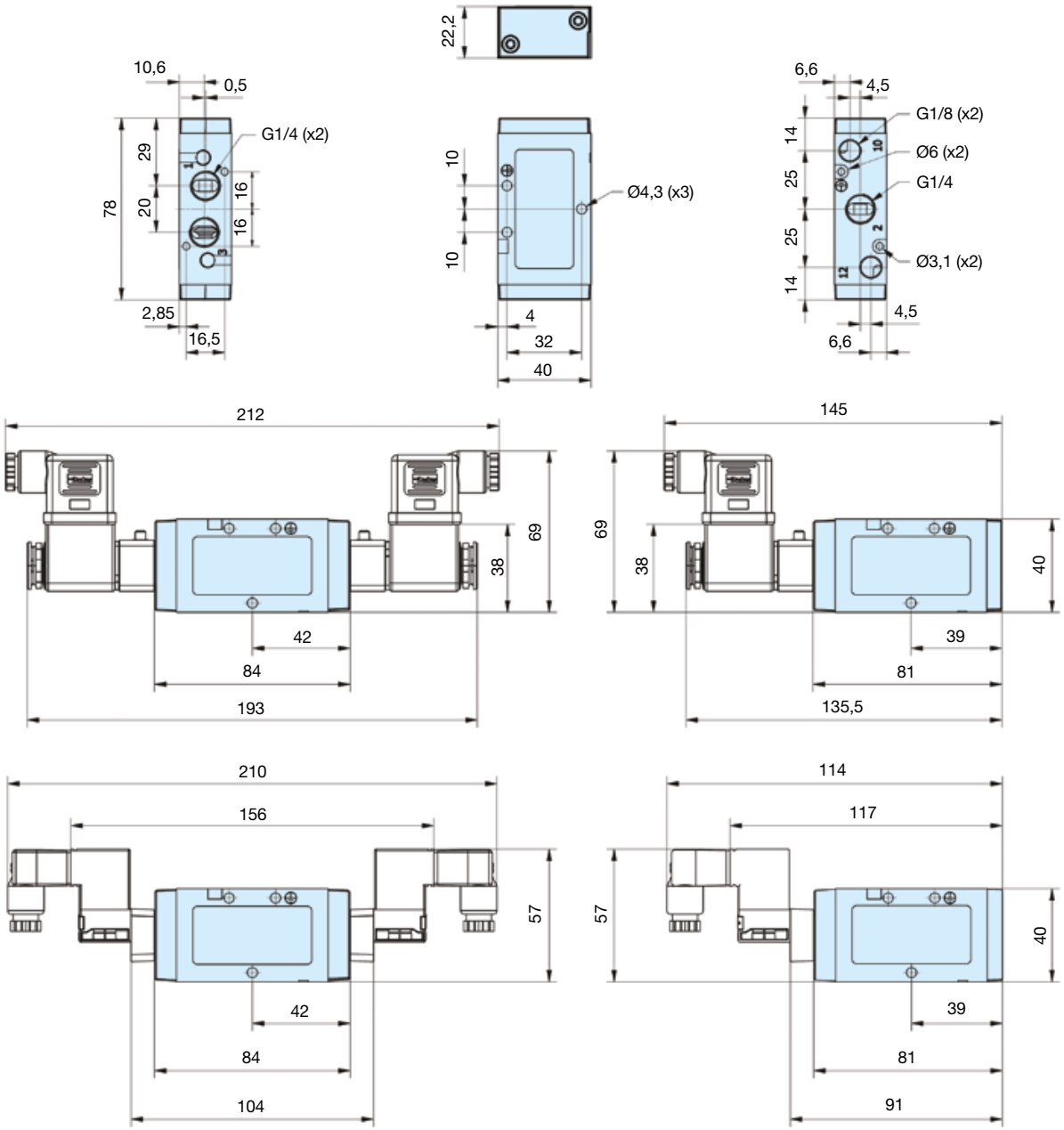
Dimensions

P2LBX - 5/3 Lever



Dimensions

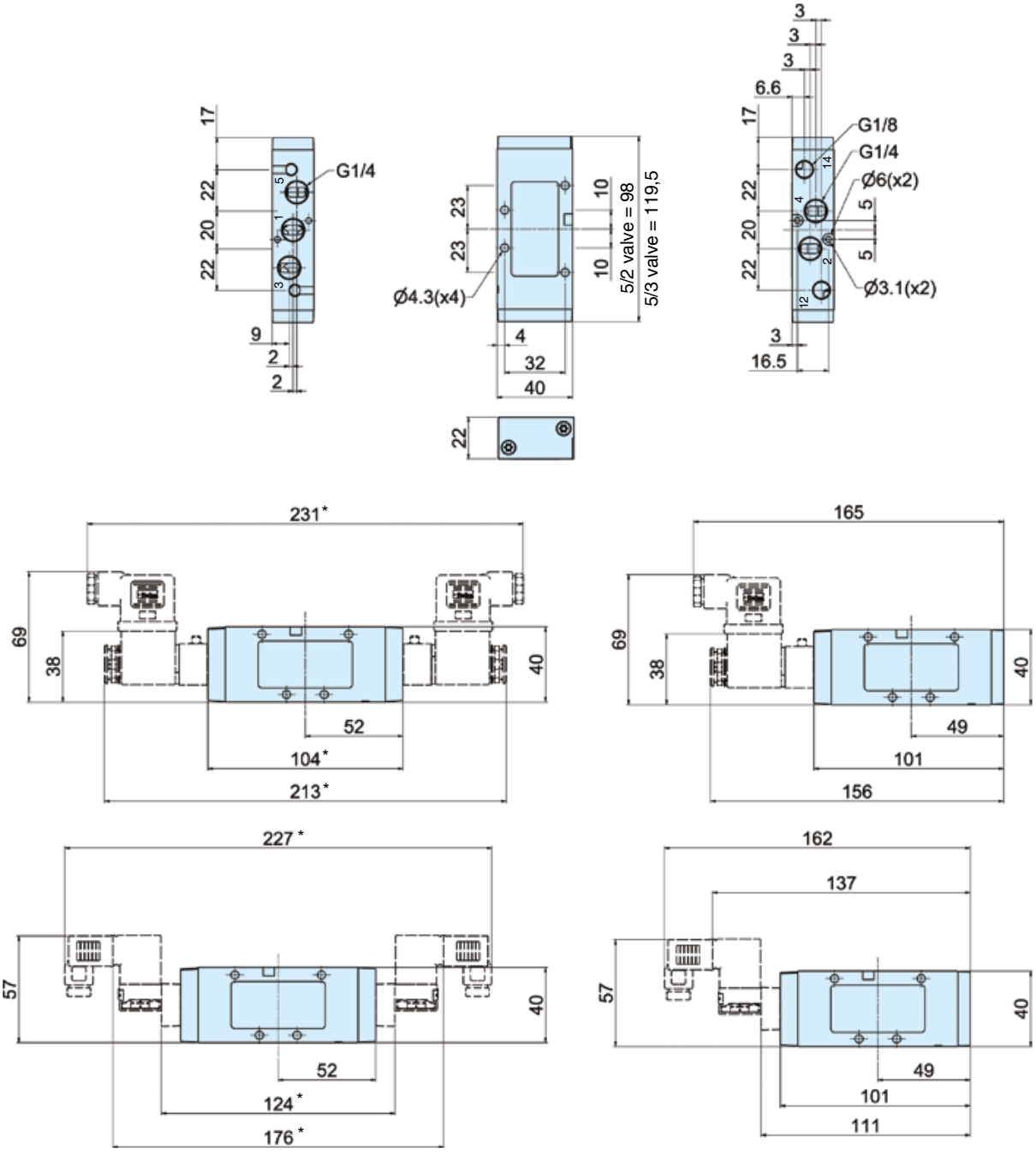
P2LBX... all
3/2 valves



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Dimensions

P2LBX... all
5/2 and 5/3 valves

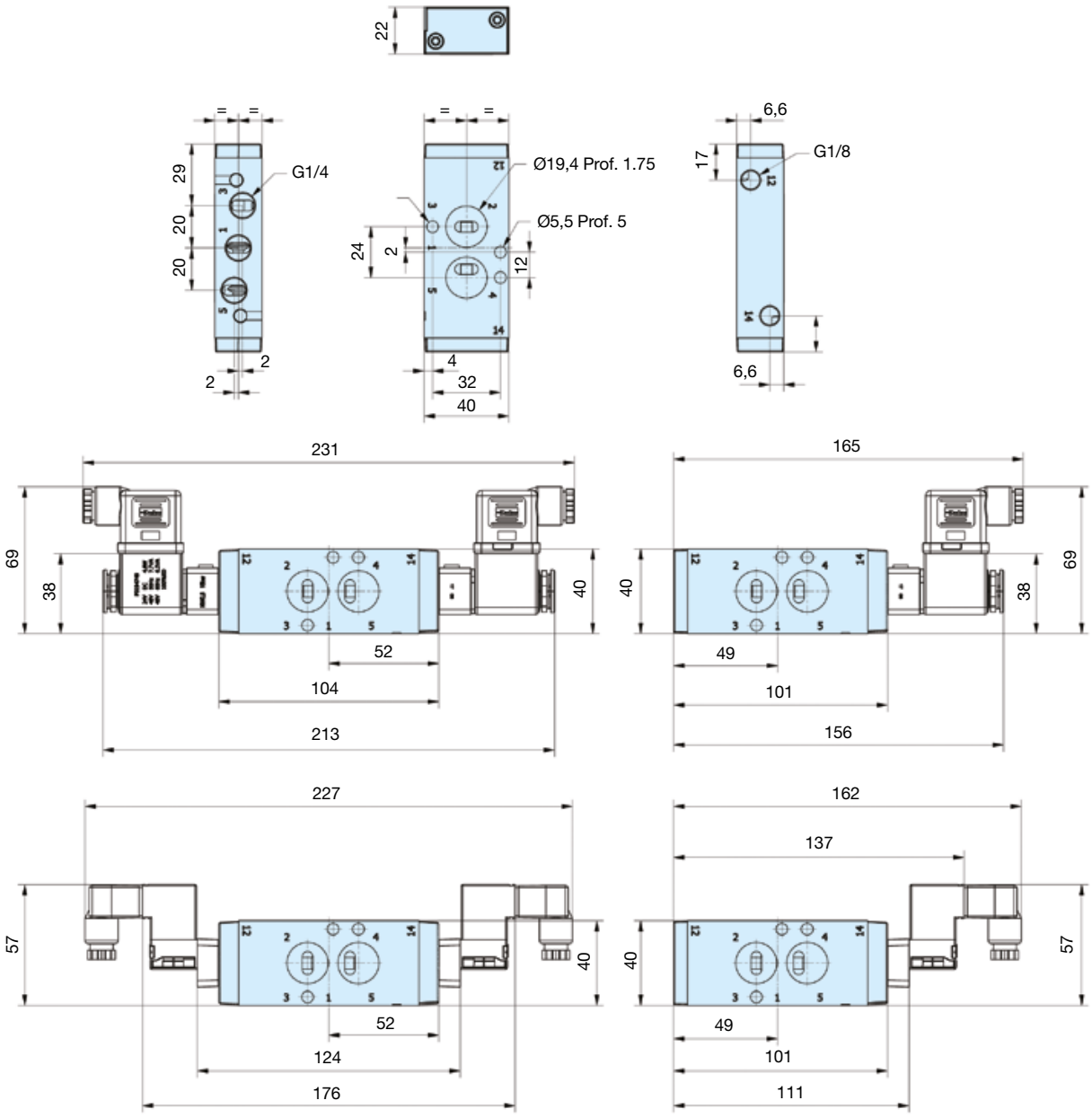


*** Note:** 5/3 valves - add 21.5mm

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Dimensions

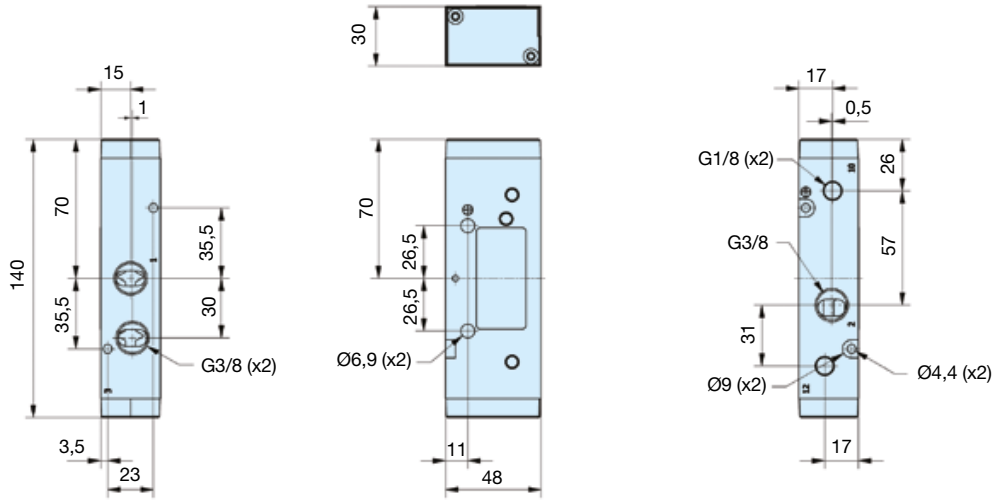
NAMUR
5/2 valves

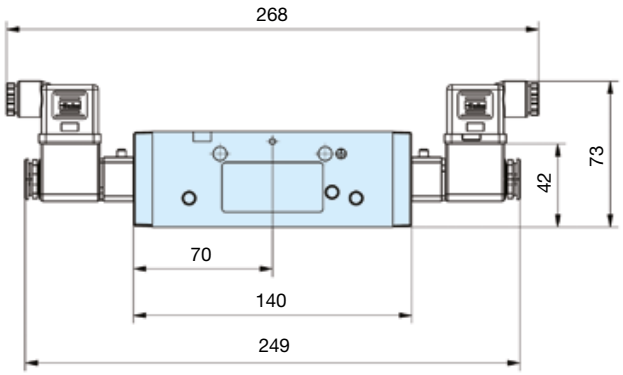


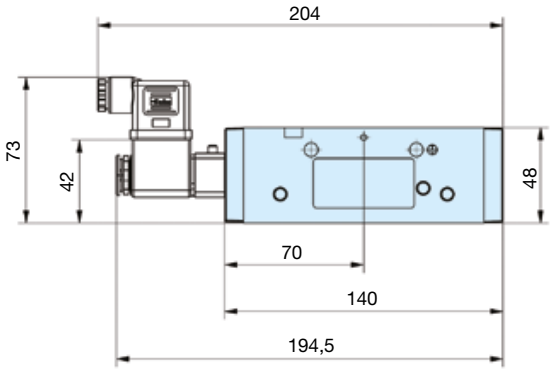
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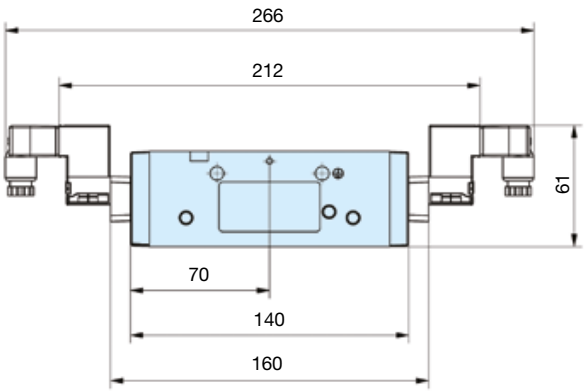
Dimensions

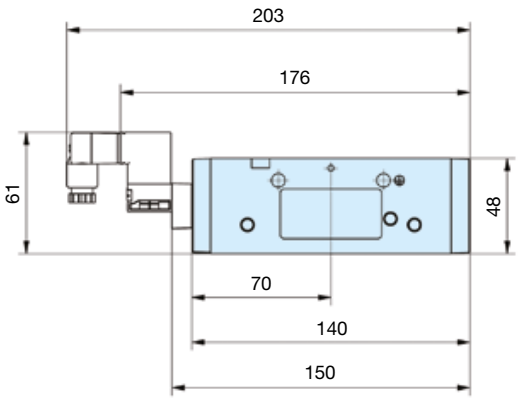
P2LCX... all
3/2 valves







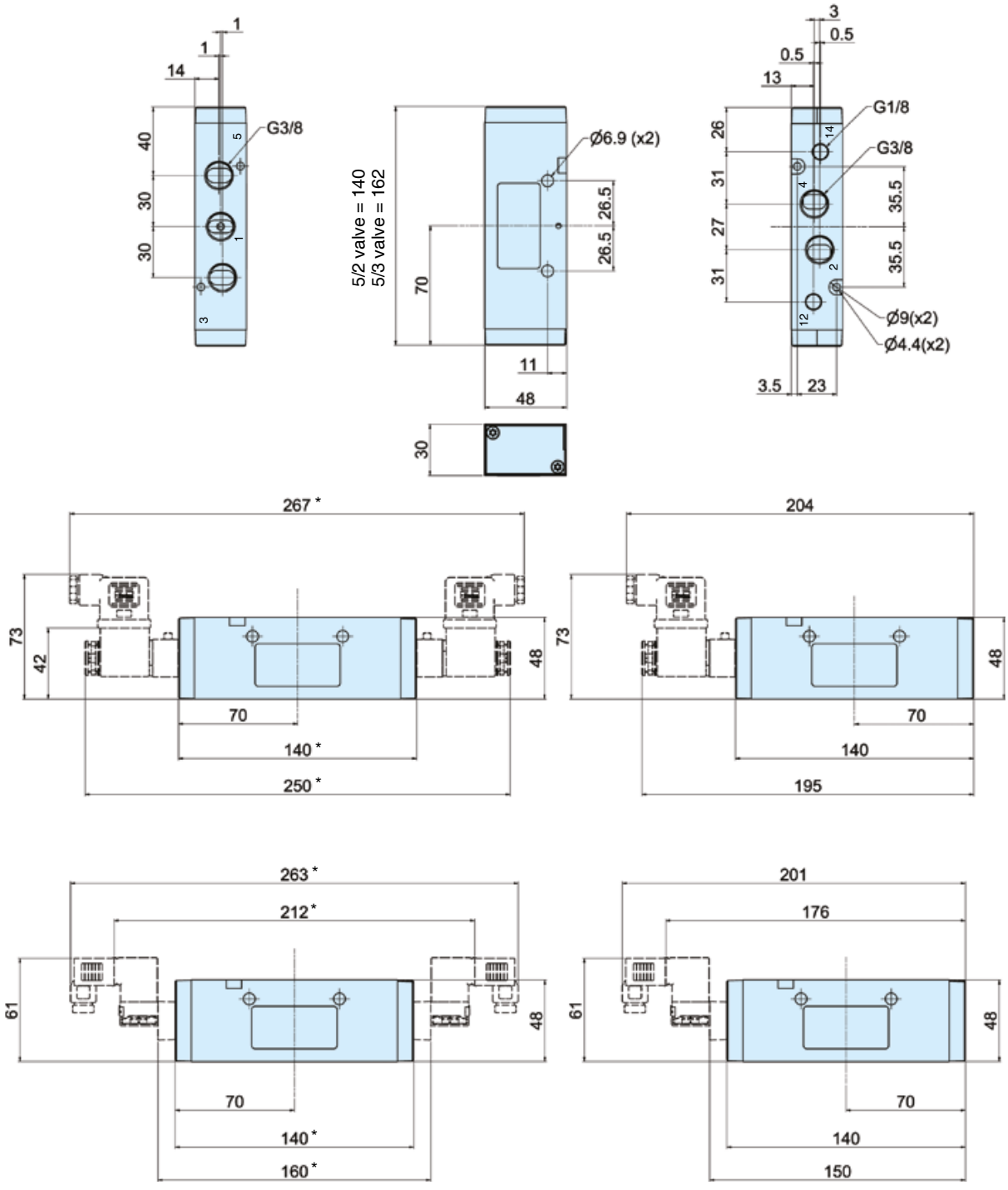




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Dimensions

P2LCX... all
5/2 and 5/3 valves

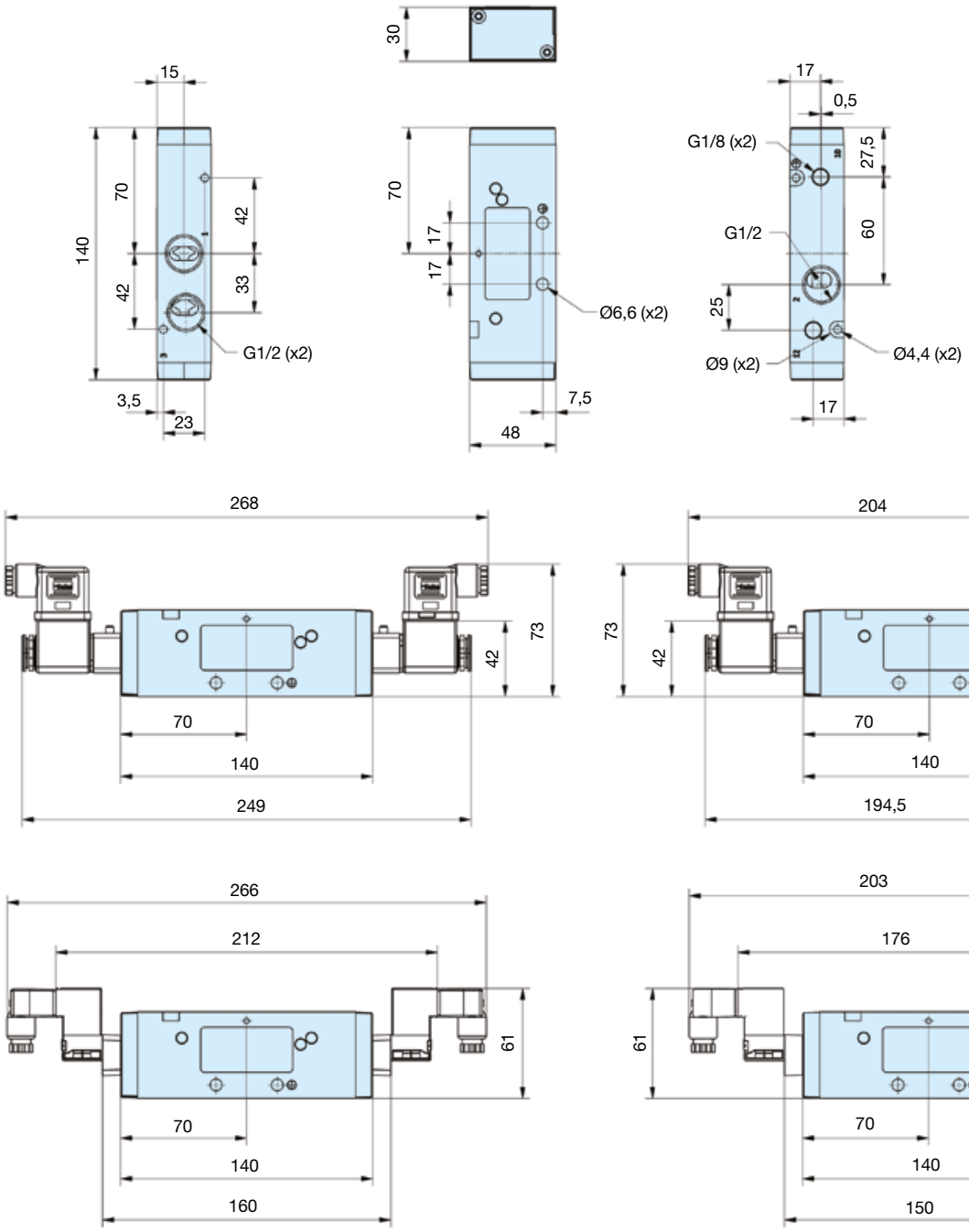


*** Note:** 5/3 valves - add 22.0mm

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Dimensions

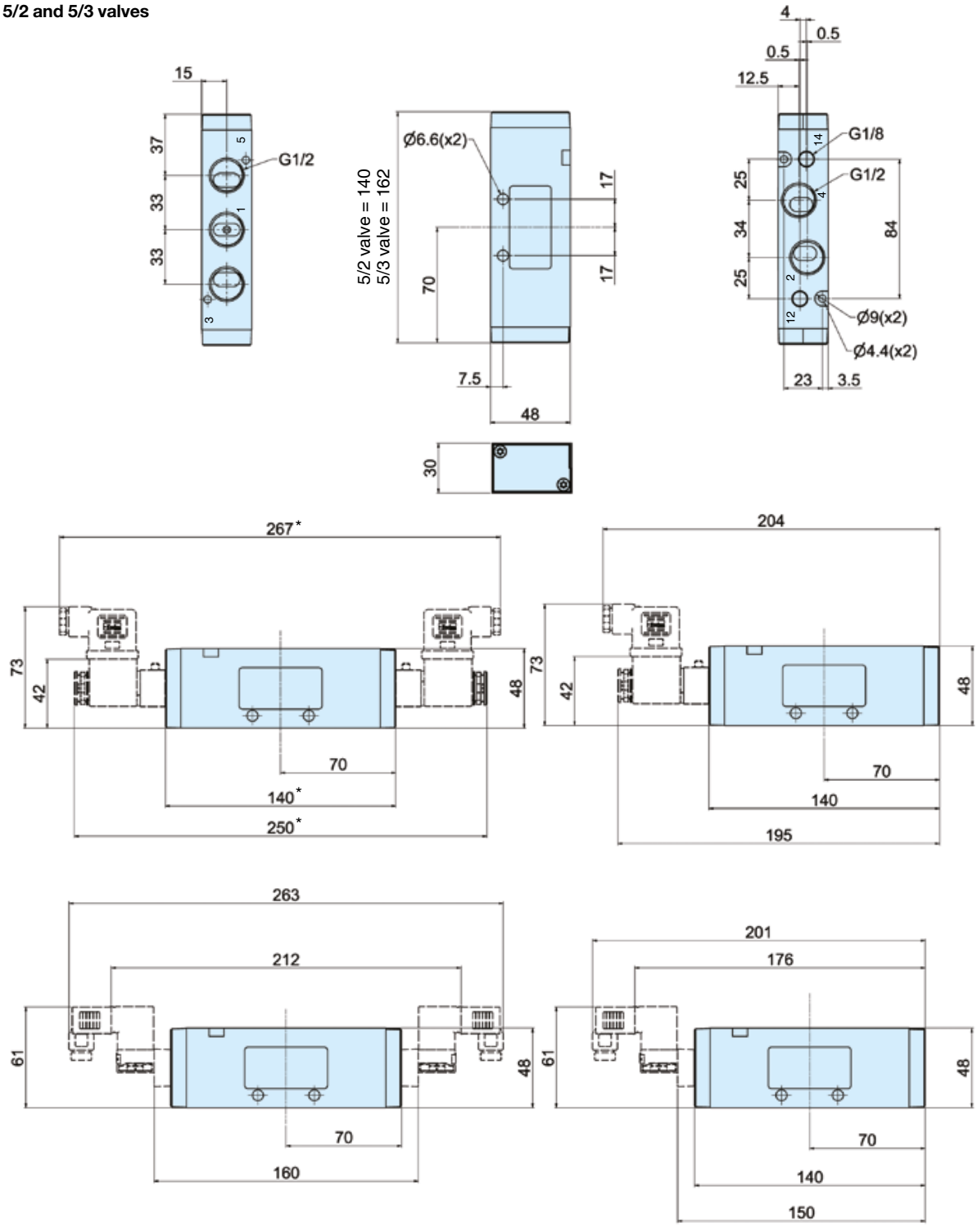
P2LDX... all
3/2 valves



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Dimensions

P2LDX... all
5/2 and 5/3 valves



*** Note:** 5/3 valves - add 22.0mm

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Dimensions

NAMUR
5/2 and 5/3 valves

