

SERIES 70 VALVES



VALVES SERIES 70, HAND OPERATED

TECHNICAL DATA	1/8"	1/4"	1/2"
Operating pressure range:			
• version with direct control	bar	Vacuum to 10	
• pilot-assisted version	bar	2.5 to 10	
Operating temperature range	°C	-10 to +60	
Nominal diameter	mm	5	15
Conductance C	Nl/min · bar	121.43	971.43
Critical ratio b	bar/bar	0.32	0.43
Flow rate at 6 bar ΔP 0.5 bar	Nl/min	400	3200
Flow rate at 6 bar ΔP 1 bar	Nl/min	550	4600

SYNOPTIC, SIZES AND VERSIONS

M A V FAMILY	2 DIMENSIONS	3 FUNCTION	P P OPERATORS 14	S RESETTING (12)	N C FURTHER DETAILS
MAV manual valves	2 1/8" 3 1/4" 4 1/2"	3 3/2 5 5/2 6 5/3 8 2 x 3/2	PP drawer VL axial lever LE 90° lever BRE arranged for manual panel actuators	A pneumatic/mechanical springs* S mechanical springs B bistable D differential O stable for 5/3	NC normally closed NO normally open OO no indication CC closed centres OC open centres PC pressure centres

90° LEVER 3/2

Symbol	Code	Abbrev.
	7010000100	MAV 23 LES NC 1/8"
	7020000100	MAV 33 LES NC 1/4"
	7030000100	MAV 43 LES NC 1/2"
	7010000200	MAV 23 LEB OO 1/8"
	7020000200	MAV 33 LEB OO 1/4"
	7030000200	MAV 43 LEB OO 1/2"

90° LEVER 5/2

Symbol	Code	Abbrev.
	7010000300	MAV 25 LES OO 1/8"
	7020000300	MAV 35 LES OO 1/4"
	7030000300	MAV 45 LES OO 1/2"
	7010000400	MAV 25 LEB OO 1/8"
	7020000400	MAV 35 LEB OO 1/4"
	7030000400	MAV 45 LEB OO 1/2"

FRONT LEVER 3/2

Symbol	Code	Abbrev.
	7010001400	MAV 23 VLB OO 1/8"
	7020001400	MAV 33 VLB OO 1/4"

FRONT LEVER 5/2

Symbol	Code	Abbrev.
	7010001700	MAV 25 VLB OO 1/8"
	7020001700	MAV 35 VLB OO 1/4"

FRONT LEVER 5/3

Symbol	Code	Abbrev.
	7010001150	MAV 28 VLO OC 1/8"
	7010001160	MAV 28 VLS OC 1/8"

90° LEVER 5/3

Symbol	Code	Abbrev.
	7010001000	MAV 26 LES CC 1/8"
	7020001000	MAV 36 LES CC 1/4"
	7030001000	MAV 46 LES CC 1/2"
	7010000900	MAV 26 LES OC 1/8"
	7020000900	MAV 36 LES OC 1/4"
	7030000900	MAV 46 LES OC 1/2"
	7010001100	MAV 26 LES PC 1/8"
	7020001100	MAV 36 LES PC 1/4"
	7030001100	MAV 46 LES PC 1/2"
	7010000500	MAV 26 LEO CC 1/8"
	7020000500	MAV 36 LEO CC 1/4"
	7030000500	MAV 46 LEO CC 1/2"
	7010000600	MAV 26 LEO OC 1/8"
	7020000600	MAV 36 LEO OC 1/4"
	7030000600	MAV 46 LEO OC 1/2"
	7010000700	MAV 26 LEO PC 1/8"
	7020000700	MAV 36 LEO PC 1/4"
	7030000700	MAV 46 LEO PC 1/2"

DRAWER 3/2

Symbol	Code	Abbrev.
	7010001300	MAV 23 PPB OO 1/8"
	7010001200	MAV 23 PPS NC 1/8"

DRAWER 5/2

Symbol	Code	Abbrev.
	7010001600	MAV 25 PPB OO 1/8"
	7010001500	MAV 25 PPS OO 1/8"

PILOT-ASSISTED PLUNGER 3/2 FOR PANEL ACTUATORS

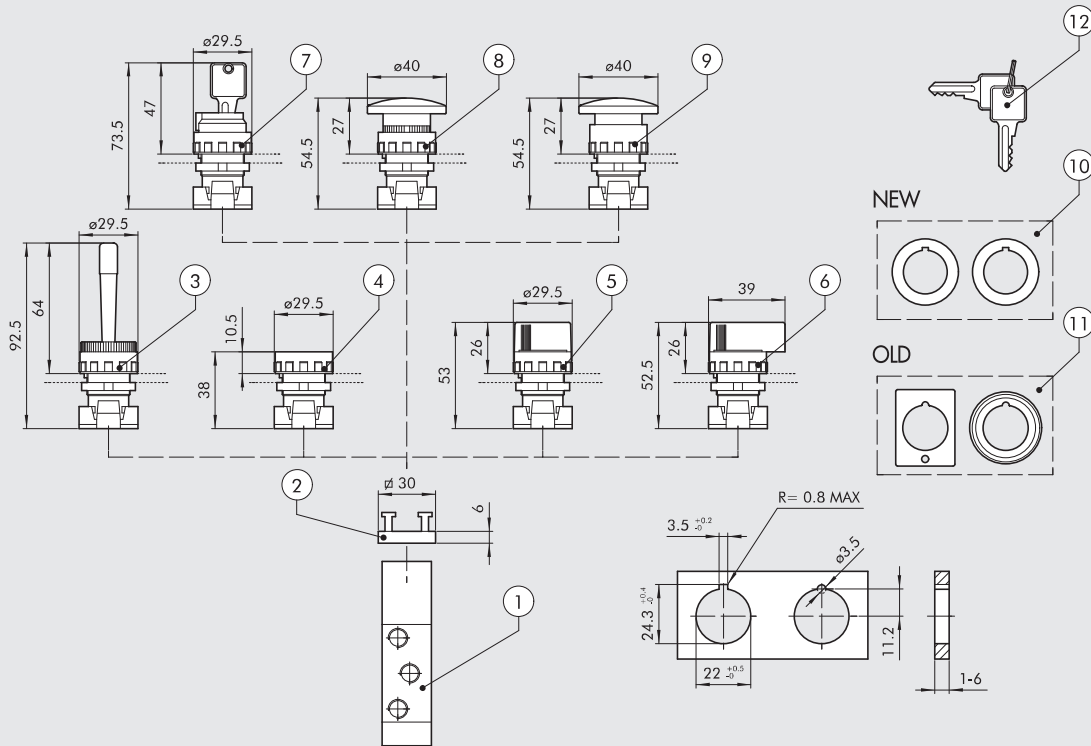
Symbol	Code	Abbrev.
	7010001800	MAV 23 BRE NC 1/8"

PILOT-ASSISTED PLUNGER 5/2 FOR PANEL ACTUATORS

Symbol	Code	Abbrev.
	7010001900	MAV 25 BRE OO 1/8"

ASSEMBLY DIAGRAM FOR PILOT-ASSISTED HAND-OPERATED VALVES SERIES 70 WITH PANEL ACTUATORS
VALVES

SERIES 70 VALVES



Symbol	Reference	Code	Description	Weight [g]
	①	7010001800	Pilot-assisted plunger 3/2, 1/8"	124
	①	7010001900	Pilot-assisted plunger 5/2, 1/8"	150
	②	0351000050	2 places adaptor thickness 6.8 mm	5
	③	W0351000015	Red handler with horizontally pivoted lever	25
	④	W0351000011	Fat push button + 2 red/black coloured disks ◆ Bistable fat push button without disk	15
	⑤	W0351000030	Black selector short lever at 2 positions with return	20
	⑤	W0351000031	Black selector short lever at 2 positions	20
	⑤	W0351000032	Black selector short lever at 3 positions with return	20
	⑤	W0351000033	Black selector short lever at 3 positions	20
	⑥	W0351000034	Black selector long lever at 2 positions with return	26
	⑥	W0351000035	Black selector long lever at 2 positions	26
	⑥	W0351000036	Black selector long lever at 3 positions with return	26
	⑥	W0351000037	Black selector long lever at 3 positions	26
	⑦	W0351000016	2 positions key selector with extractable key in 2 positions	50
	⑦	W0351000018	2 positions key selector with extractable key in 0	50
	⑧	W0351000013	Red mushroom-head push button Ø 40	27
	⑧	W0351000017	Black mushroom-head push button Ø 40	27
	⑨	W0351000014	Red mushroom-head push button with lock Ø 40	29
◆ It can't be supplied. As working replaced by selector with bistable short lever at 2 positions ⑤.	⑩	W0351000049	◆ Reducer from 30 to 22.5 mm	
▲ Usable only with technopolymer body selectors.	⑪	W0351000050	▲ Adapter for bore Ø 30 G2326	
▲ Usable only with metal body selectors.	⑫	W0351000021	▲ Key for ESC selectors	
		W0351000056	Green disk for push button ④	