JOUCOMATI

SOLENOID VALVES

direct operated 3 mounting holes in the body 1/4

NC NO U



131



- Solenoid operator is separated from the fluid
- Rugged construction for high pressures and harsh environments
- Manual reset version available
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure

0 to 30 bar [1 bar = 100 kPa] -10°C to +40 °C 300 cSt (mm²/s) Ambient temperature range Maximum viscosity Response time (with air $\Delta P = 6$ bar)

30 ms [opening/closing in AC (~)]

fluids (1) (*)	temperature range (TS)	seal materials (*)
water, air, inert gas, oil	-10°C to +80°C	NBR (nitrile) IIR (butyl) (corrosive fluids)

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Brass body Stainless steel body Body Internal parts Brass Stainless steel AISI 303 SS Stainless steel **Springs** Stainless steel Stainless steel Seals **NBR** Shading coil Copper Copper

OTHER MATERIALS

Solenoid operator MPV1 (AC ~) IP54 metal cover CPV1 (DC =) IP65 cast iron cover

ELECTRICAL CHARACTERISTICS

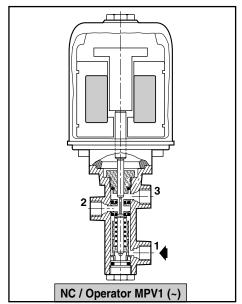
Coil insulation class

Screw terminals Coil connection Cable entry Cable gland (Pg11P) Electrical safety IEC 335 Standard voltages

DC (=): 24V - 48V AC (~): 24V - 48V - 115V - 230V / 50 Hz (Other voltages on request)

solenoid	n	ominal po	ower ratin	ambient			
operator	inrush ~	holo	•	=	temperature range (TS)	coil construction	
reference	(VA)	(VA)	(W)	(W)	(°C)		
MPV1 (~) CPV1 (=)	600	55 -	15 -	- 24	- 10 to + 40	wrapped	





SPECIFICATIONS

pipe	orifice		flow		operating pressure differential (bar)					solenoid		catalogue number		
size	· · Coefficient				maximum (PS)				operator reference		(M)			reference
		_ ^	V	min.	air	(*)	water/o	il (1) (*)	reiei	elerence				
(G*)	(mm)	(m ³ /h)	(l/min)		~	=	~	=	~	=		~	=	
NC - n	NC - normally closed - brass body													
	4	0,18	3	0	30	30	30	30	MPV1	CPV1	X	13100300	13101179	V301-O-4
1/4	5	0,36	6	0	20	20	20	20	MPV1	CPV1	\times	13100090	13101180	V301-O-5
	6	0,57	9,5	0	8	8	8	8	MPV1	CPV1	$ \times $	13100107	13101183	V301-O-6
NO - n	ormally	open -	brass b	ody										
	4	0,18	3	0	30	30	30	30	MPV1	CPV1	×	13100135	13101185	V301-F-4
1/4	5	0,36	6	0	20	20	20	20	MPV1	CPV1	$ \times $	13100141	13101186	V301-F-5
	6	0,57	9,5	0	8	8	8	8	MPV1	CPV1	$ \times $	13100156	13101188	V301-F-6
U - uni	versal -	brass l	body											
	4	0,18	3	0	8	8	8	8	MPV1	CPV1	×	13100328	13101191	V301-U-4
1/4	5	0,36	6	0	5	5	5	5	MPV1	CPV1	\times	13100199	13101192	V301-U-5
	6	0,57	9,5	0	2	2	2	2	MPV1	CPV1	$ \times $	13100223	13101194	V301-U-6
NC - n	ormally	closed	- stainl	ess ste	el body									
1/4	5	0,36	6	0	20	20	20	20	MPV1	CPV1	×	13100102	13101181	V301-O-5

Manual operator: X: without (holding manual operator or impulse manual operator on request, see options)

Manual reset solenoid valve: Version with manual reset operator + 5A contact. Full order number:

Solenoid valve catalogue number given above + one of the following reset option catalogue

MPV1 operator (~), catalogue number 260565
CPV1 operator (=), catalogue number 260567

Standard construction 2/2 and 3/2 NC/NO brass bodied solenoid valves can only be used where they are vented without backpressure. In case of use with liquid media (water and oil), the upper button must be fitted with a seal (see "options"). Brass bodied universal (U) solenoid valves and stainless steel bodied NC/NO and U solenoid valves are fitted with such seals as standard.



OPTIONS

- Manual reset version with 5A auxiliary switch: catalogue number 260565 (with MPV1), catalogue number 260567 (with CPV1)
- Stainless steel NO/U solenoid valves (5mm dia.), IIR (butyl) seal for corrosive fluids: this option may limit the max. service pressure. Contact us
- . 3/2 solenoid valves of dia. 3 mm, $\Delta P = 0$ to 40 bar (NC-NO) and 0 to 10 bar (U); 2/2 NC-NO solenoid valves with brass or stainless steel body
- Air operated valves
- Flameproof enclosure to EEx d for potentially explosive atmospheres according to "ATEX/CENELEC"
- Coil insulation class B
- On solenoid operator MPV1 (~):
 - maintained manual operator, catalogue number 210515 / impulse manual operator, catalogue number 210517
 - auxiliary switch: 5A, catalogue number 260541
- On solenoid operator CPV1 (=):
 - diode for direct current coil, catalogue number 010001
 - maintained manual operator, catalogue number 210519 / impulse manual operator, catalogue number 210521
 - auxiliary switches: 5A, catalogue number 260547 / 15 A, catalogue number 260549
 - auxiliary switches in neutral atmosphere with or without manual reset
- On solenoid operators MPV1 / CPV1 (~/=):
 - cover on manual operator, catalogue number 160001
 - marine paint, catalogue number 609502 / anti-corrosive paint, catalogue number 609503
 - other cable glands Pg 13P (CM12); Pg 16P (CM14); BV1; BV2; BVP1
- - brass body: fit the upper button with a seal (NBR or FPM) for use with liquid media
 - FPM seal (fluoroelastomer) Fluids: hydrocarbons (temperature range: -10°C to +80°C)
 - oxygen service, catalogue number 970507

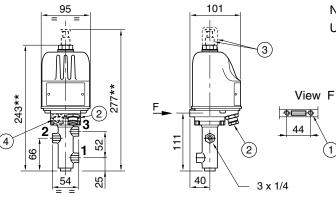
INSTALLATION

- Vertical mounting only, solenoid operator upwards
- 2 (MPV1) or 3 (CPV1) mounting holes
- Pipe connections (G*) have standard combination thread according to ISO 228/1 et ISO 7/1
- Spare parts kits and replacement coils are available

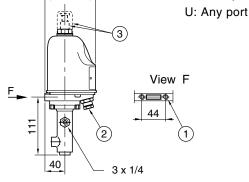
DIMENSIONS (mm), **WEIGHT** (kg)



AC solenoid valve / solenoid operator type: MPV1



NC/NO: port 1



1 Mounting holes M6, depth 9 mm

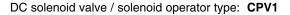
(2) Cable gland (Pg 11P) Options:

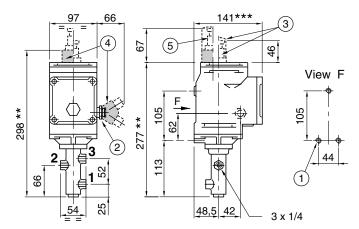
- (3) Manual operator, cover
- (4) Auxiliary switch + Second cable gland (MPV1) or 2 cable glands (Pg 11P) (CPV1)

NO-U / operator MPV1 (~)

- (5) Manual operator with auxiliary switch
 - + 115 mm for cover removal
 - + 17 mm for cover removal

solenoid operator	weight (1)
MPV1 (~)	2,750
CPV1 (=)	6,800





All leaflets are available on: www.ascojoucomatic.com