SOLENOID VALVE DIRECTLY OPERATED

AFNOR - CNOMO subbase for instant fittings or tapped G1/8 - G1/4

ports / positions

SPECIFICATIONS

FLUID : air or neutral gas, filtered, lubricated or not PRESSURE

0 to 16 bar max. (see table below) MAX. ALLOWABLE PRESSURE(MAP)

16 bar

TEMPERATURE FLUID min.-max.

-10°C, +70°C -10°C, +60°C (+70°C, consult us) AMBIENT min.-max.

see table below FLOW (Qv at 6 bar)

SUBBASE (NC function) AFNOR NFE 49066 - CNOMO 06.05.80

AFNOR NFE 49067 (NO function) · 7 ms

RESPONSE TIME

CONSTRUCTION

Body: glass filled polyarylamide (PAM + FG)

Internal parts: stainless steel Sealing: fluoroelastomer (FPM)

Electrical equipment complies with standard NF C79300

Encapsulated coil and iron circuit

M12 - 5 pins connector or prepared to receive standard ISO 4400 connector, rota-

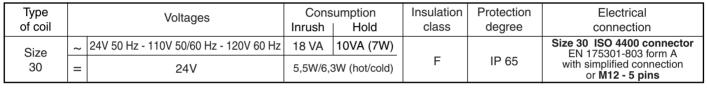
table 90 X 90° with simplified connections and direct front access (see overleaf)

Manual override: without, screwdriver, impulse, button

Subbases for instant fittings : glass filled polyamide 6/6 (PA + FG)

Tapped subbases: die-casting zinc alloy and aluminium

ELECTRICAL CHARACTERISTICS



CHOICE OF EQUIPMENT

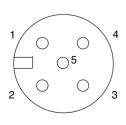
	FUNCTION NC De-energized Solenoid valve normally closed at rest							12 2 1 7 T 3 1		1 = Pressure 2 = Outlet 3 = Exhaust	
			Flo	OW					CODES		
(Orifice Ø I/min (ANR) Coefficient			Allowable differential pressure ΔP (bar)		Manual override	= Solenoid valve with coil	Solenoid valve with			
1 → 2	2→3	$\stackrel{7}{\rightarrow} 3 \begin{vmatrix} 1 \rightarrow 2 \begin{vmatrix} 2 \rightarrow 3 \end{vmatrix} \begin{vmatrix} 1 \rightarrow 2 \begin{vmatrix} 2 \rightarrow 3 \end{vmatrix} $ mini maxi		maxi		and M12 connection	with terminal protection	frequency			
						SOLENOID	VALVE WI	TH EXHAUS	TO THE SUBBASE		
								×	19261087	19261049 19261065	110V 50/60 Hz 120V 60 Hz
2,1	2,3	112	154	1,6	2,2	0	10	•	19261080	19261060 19261050	24V 50 Hz 110V 50/60 Hz
								•	19261079	19261066 19261059 19261057	120V 60 Hz 24V 50 Hz 110V 50/60 Hz

Type of manual override: X: without : screwdriver ▼: impulse

NO FUNCTION, SUBBASES (see next pages)

- Solenoid valve with connector and built-in visual indicator and protection: CODE of solenoid valve without connector
- + connector with built-in visual indicator and RC protection 88122605 110V/120V (~) or 88122603 24V (~)
- Supply cable 2m; 5x 0.25 mm²; straight M12 connector: 88100726 24V (=)

M12 CONNECTOR PINNING / CABLE WIRING



Pin	Description	5-wire cable (2m)		
1	24V voltage supply	brown		
2	Analog setpoint input	white		
3	Supply ground	blue		
4	Analog output (feedback)	black		
5	Digital output (pressure switch)	grey		
Body	EMC shield	shield		

JOUCOMATIC

CHOICE OF EQUIPMENT

	FUNCTION NO De-energized Solenoid valve normally open at rest							10 2 12 1 = Exhaust 2 = Outlet 3 = Pressure			
Flow Orifice				3 1	CODES						
(m	m)	at 6 bar Coefficient Allowable different $I/min (ANR)$ KV pressure ΔP (bar 1 3 \rightarrow 2 2 \rightarrow 1 M M			Manual override	= Solenoid valve with coil and M12 connection	with coil coil without connector Volta				
	SOLENOID VALVE WI					SOLENOID	VALVE WIT	TH EXHAUST	TO THE SUBBASE		
2,1	1,9	112	105	1,6	1,5	0	10	×	19261088	19261051 19261067	115V 50 Hz 120V 60 Hz
۷, ۱	1,9	112	100	1,0	1,5		10	▼	19261082 19261081	- 19261068	120V 60 Hz

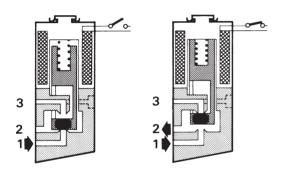
Type of manual override : X : without ● : screwdriver ▼ : impulse

FUNCTIONAL DIAGRAM

FUNCTION NC

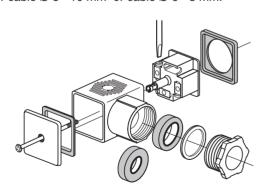
Solenoid valve normally closed at rest

De-energized Energized



CONNECTION TO SIZE 30 CONNECTOR

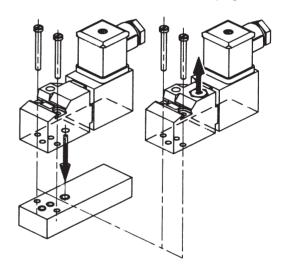
Easier and faster electrical connection. Connector delivered with 2 sealing rings for cable \emptyset 8 - 10 mm or cable \emptyset 6 - 8 mm.



SELECTION OF THE EXHAUST PORT

- To the subbase

- To front side (G1/8) equipped with an exhaust plug



Top cover removable so that one can check that the coil is energized without unplugging the connector and hence

without interrupting operation of the solenoid valve.

SUBBASES

Connection	Туре	Composition	CODES
	1 single subbase	©	35300069
	1 joinable subbase		35300070
With instant fittings	Set of 2 juxtaposable end subbases, right-hand pressure intake, ext. Ø 6 mm instant fitting	Plugged endpiece Instant fitting endpiece ext. Ø 6 mm	35300071
	Set of 2 joinable end subbases, right-hand and/or left-hand pressure intake, ext. Ø 6 mm intant fittings (1)	Plugged endpiece Plug Intant fitting endpiece ext. Ø 6 mm	35300072
G 1/8	1single lateral subbase 2 connectable ports	0	35300047
threads	1 laterally-connected juxtaposable subbase	σ:	35300048
G 1/4	1 single subbase 3 connectable ports	NO Y NC	35300049
threads	1 joinable subbase 3 connectable ports lateral bore Function NF - NO (2)	3 1	35300057

These subbases can be directly mounted on symetrical EN 50022 - AFNOR NF C 63015 standard rail using 2 or more clips (clips sold in packets or 10, code **33400036**).

- (1) Equipment can be used for 2 different pressure intakes.
- (2) The NC or NO function is obtained by using a specific NC or NO solenoid valve and by reversing position on the subbase.

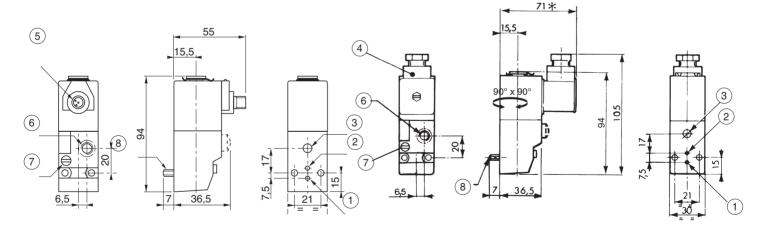
DIMENSIONS AND WEIGHTS

SINGLE MOUNTED SOLENOID VALVE

with M12 - 5 pins connector

Weight: 0,270 kg

with ISO 4400 connector (connector to be ordered separately) Weight: 0,270 kg



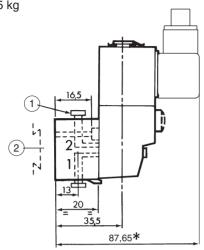
- (*) + 15 mm for plug removal
- U: Pressure entry through any port
- Port 1 : Pressure (NC) Exhaust (NO)
- 2 Port 2 : Outlet
- 3 Port 3 : Exhaust (NC) Pressure (NO)
- (4) Connector rototable through 90°
- (5) M12 5 pins connector
- 6 On request : exhaust port G 1/8 with front side protector (NC only)
- (7) Manual override possible by impulse, screw or button
- 8 Secured by screw CM4 x 35

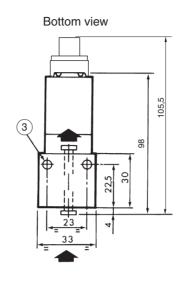
DIMENSIONS AND WEIGHTS

SOLENOID VALVE MOUNTED ON SINGLE INSTANT FITTING SUBBASE

With ISO 4400 connector Subbase : code **35300069**

Weight: 0,285 kg

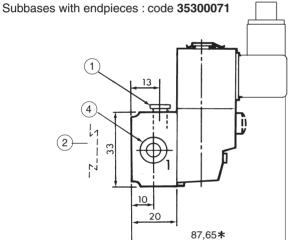




SOLENOID VALVE MOUNTED ON JOINABLE INSTANT FITTING SUBBASE

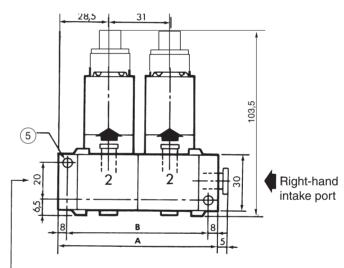
With ISO 4400 connector

Subbase : code **35300070**



5	Number of subbases							
DIMENSION	2	3	4	5	6	7	8	
A	88	119	150	181	212	243	274	
В	72	103	134	165	196	227	258	
Weight (kg) SV + S, base	0,595	0,880	1,165	1,450	1,735	2,020	2,305	

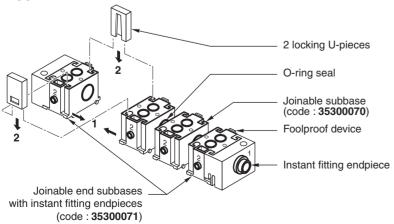
Bottom view



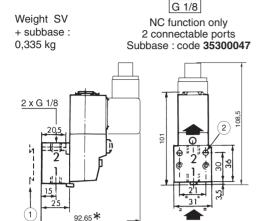
Possibility of left-hand pressure intake or 2 different pressure intakes by procuring the set of 2 end subbases code : **35300072**

When mounted on DIN rail, it is recommended to use a securing clip on the end subbases as well as on the central subbase

ASSEMBLY



- 1 Instant fitting connection for ext. Ø 4mm tube
- 2 Adaptable clips
- (3) 2 Ø 3,5, securing holes Ø 6,5, counterbores depth 3,5
- 4 Instant fitting connection for ext. Ø. 6mm tube
- 5 2 Ø 4,5 securing holes
- (*) + 15 mm for connector clearance

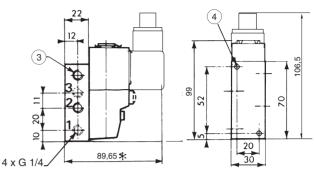


Weight SV + subbase : 0,395 kg

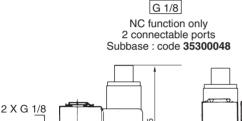
Ports	Conne	ection NO
3	Exhaust	Pressure
2	Outlet	Outlet
1	Pressure	Exhaust

U: Pressure entry through any port

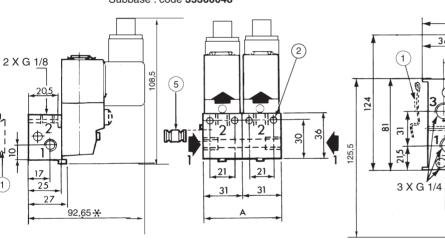
G 1/4 NC-NO or U function 3 connectable ports Subbase : code **35300049**



SOLENOID VALVE MOUNTED ON JOINABLE SUBBASE With ISO 4400 connector



G 1/4 NC-NO or U function 3 connectable ports Subbase : code 35300057



103,65 🛪	
103,65 × Position NC	6 7
Position NO NO	77
Connection	5 18 36 B

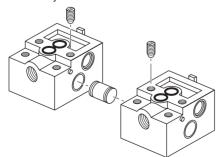
DIMENSI	ON	Number of subbases						
DINENSI	ON	2	3	4	5	6	7	8
Α		62	93	124	155	186	217	248
В		72	108	144	180	216	252	288
Weight (kg)	G 1/8	0,740	1,110	1,480	1,850	2,220	2,590	2,960
SV + subbase	G 1/4	0,880	1,320	1,760	2,200	2,640	3,080	3,520

Ports	Connection NC-NO
3	Exhaust
2	Outlet
1	Pressure

Subbases delivered with seals, screws and joining units for complete assembly.

ASSEMBLY

Joinable subbases put together by joining units locked by sunken set screws.



When mounted on DIN rails, it is recommended to use 1 securing clip on each end subbase as well as on the central subbase.

- 1 Adaptable clips
- 2 2 Ø 4,5 securing holes
- (3) Non-used port
- (4)2 Ø 4,5, securing holes counterbore Ø 8, depth : 6
- (5) Joining unit for putting subbase together. Locked by sunken set screws.
- (6) Port 2 accessible by removing cap
- 7 Securing: 3 Ø 4,5 holes counter-bores: Ø 7,5 depth: 6
- (*) + 15 mm for connector clearance