

GENERAL

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, +60°C
AMBIENT min.-max.	: -10°C, +60°C
FLOW (Qv at 6 bar)	: see table below
SUBBASE (NC function)	: ISO 15218 (CNOMO 06-05-80/NF E 49066, size 30)
(NO and U functions)	: AFNOR NFE 49067
RESPONSE TIME	: 7 ms

CONSTRUCTION

Body : glass filled polyarylamide (PAM + FG)
Internal parts : stainless steel
Sealing : nitrile (NBR) and polyurethane (PUR)
Electrical equipment complies with standard NF C79300
Encapsulated coil and iron circuit, can be rotated x 360°
Connector **with simplified connections and direct front access** (see overleaf)
Subbases for instant fittings : glass filled polyamide 6/6 (PA + FG)
Tapped subbases : die-casting zinc alloy and aluminium



ELECTRICAL CHARACTERISTICS

Coil type	Voltages	Consumption Inrush	Hold	Insulation class	Protection degree	Electrical connection
SIZE 30 (4W)	~ 24V - 48V - 115V - 230V / 50 Hz	12 VA	6VA (4W)	F	IP 65	spade plug size 30 connector, ISO4400/EN175301-803, form A, rotatable by 90°
	= 24V - 48V	5 W				

SPECIFICATIONS

FUNCTION NC De-energized Solenoid valve normally closed at rest										1 = Pressure 2 = Outlet 3 = Exhaust	
Orifice size (mm)		Flow at 6 bar l/min (ANR)		Coefficient KV		Allowable differential pressure ΔP (bar)		Manual operator		catalogue number (~/=)	
1 → 2	2 → 3	1 → 2	2 → 3	1 → 2	2 → 3	min.	max.			Solenoid valve with standard connector	Solenoid valve with coil without connector
SOLENOID VALVE WITH EXHAUST TO THE SUBBASE											
2,1	2,3	112	154	1,6	2,2	0	12	×	●	19200001	19200022
								▼	▼	19200002	19200023
								■	■	19200003	19200024
								■	■	19200067	19200073
1,9	2,1	105	105	1,5	1,5	0	16	×	●	19200004	19200025
								▼	▼	19200005	19200026
								■	■	19200006	19200027
								■	■	19200068	19200074
SOLENOID VALVE WITH EXHAUST G1/8 TO THE FRONT SIDE											
2,1	2,3	112	154	1,6	2,2	0	12	×	●	19200007	19200028
								▼	▼	19200008	19200029
								■	■	19200009	19200030
								■	■	19200069	19200075
1,9	2,1	105	105	1,5	1,5	0	16	×	●	19200010	19200031
								▼	▼	19200011	19200032
								■	■	19200012	19200033
								■	■	19200070	19200076

Type of manual operator: X : without ● : maintained ▼ : impulse ■ : button

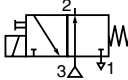
NO AND UNIVERSAL FUNCTIONS, SUBBASES (see next pages)

OPTIONS

- Other voltages or 60Hz frequency on request
- Solenoid head with metal cover, protection degree IP65 (see next pages)
- Solenoid head for dusty explosive atmospheres (DU), zone 22
- Solenoid head "CSA" approved
- Connector with cable outlet, 2 m long : catalogue number **88122612**
- Connector with transil protection (see "Coils and Accessories" section)
- Solenoid valve with connector and built-in visual indicator and protection :

catalogue number	+ catalogue number			
Solenoid valve without connector (see above)	Connector with built-in visual indicator and RC protection			
	24V (~/=)	48V (~/=)	115V (~/=)	230V (~/=)
	88122603	88122604	88122605	88122608

SPECIFICATIONS

FUNCTION NO										1 = Exhaust 2 = Outlet 3 = Pressure	
De-energized											
Solenoid valve normally open at rest											
Orifice size (mm)	Flow		Coefficient KV	Allowable differential pressure ΔP (bar)		Manual operator	catalogue number (~/=)				
	at 6 bar l/min (ANR)			min.	max.		Solenoid valve with standard connector	Solenoid valve with coil without connector			
3 → 2 2 → 1	3 → 2 2 → 1	3 → 2 2 → 1									
SOLENOID VALVE WITH EXHAUST TO THE SUBBASE											
2,1	1,9	112	105	1,6	1,5	0	10	✕ ● ▼ ■	19200013 19200014 19200015 19200071	19200034 19200035 19200036 19200077	
FONCTION U UNIVERSAL										Pressure supply by any port	
Orifice size (mm)	Flow		Coefficient KV	Allowable differential pressure ΔP (bar)		Manual operator	catalogue number (~/=)				
	at 6 bar l/min (ANR)			min.	max.		Solenoid valve with standard connector	Solenoid valve with coil without connector			
1 → 2 2 → 3	1 → 2 2 → 3	1 → 2 2 → 3									
SOLENOID VALVE WITH EXHAUST TO THE SUBBASE											
1,5	1,5	56	63	0,8	0,9	0	10	✕ ● ▼ ■	19200019 19200020 19200021 19200072	19200037 19200038 19200039 19200078	

Type of manual operator: × : without ● : maintained ▼ : impulse ■ : button

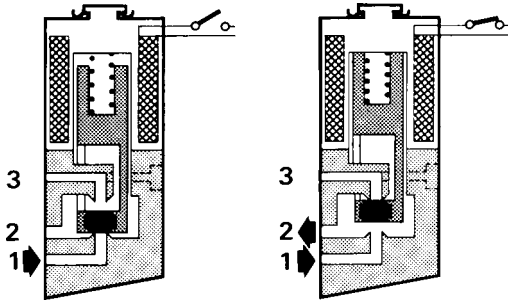
FUNCTIONAL DIAGRAM

FUNCTION NC

Solenoid valve normally closed at rest

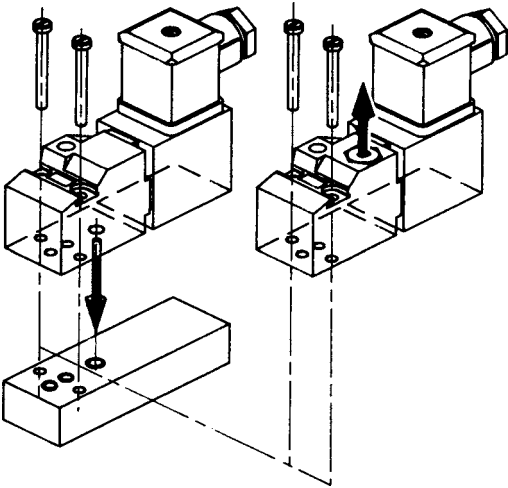
De-energized

Energized



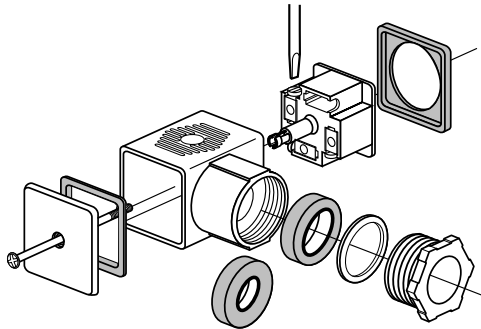
SELECTION OF THE EXHAUST PORT

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



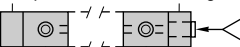
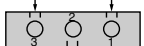
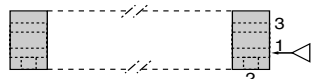
CONNECTION TO SIZE 30 CONNECTOR

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



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	Type	Composition	catalogue number
With instant fittings	1 single subbase		35300069
	1 joinable subbase		35300070
	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  Ext. Ø 4 mm instant fitting subbases	35300071
	Set of 2 joinable end subbases, right-hand and/or left-hand pressure intake, ext. Ø 6 mm instant fittings (1)	Plugged endpiece Plug Instant fitting endpiece ext. Ø 6 mm  Ext. Ø 4 mm instant fitting endpieces	35300072
tapped G 1/8	1 single lateral subbase 2 connectable ports		35300047
	1 laterally-connected juxtaposable subbase		35300048
tapped G 1/4	1 single subbase 3 connectable ports	NO NC 	35300049
	1 joinable subbase 3 connectable ports lateral bore Function NF - NO (2)		35300057

These subbases can be directly mounted on symmetrical EN 50022 - AFNOR NF C 63015 standard rail using 2 or more clips (clips sold in packets of 10, cat no. **33400036**).

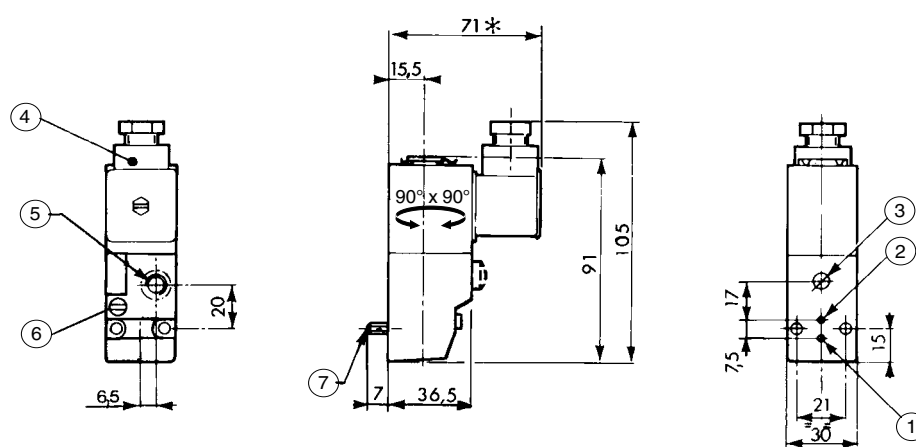
(1) Equipment can be used for 2 different pressure intakes.

(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

Weight : 0,270 kg



(*) + 15 mm for plug removal

U : Pressure entry through any port

① Port 1 : Pressure (NC) - Exhaust (NO)

② Port 2 : Outlet

③ Port 3 : Exhaust (NC) - Pressure (NO)

④ Connector rotatable by 90°

⑤ On request : exhaust port G 1/8

with front side protector (NF only)

⑥ Manual operator possible maintained, screw or button

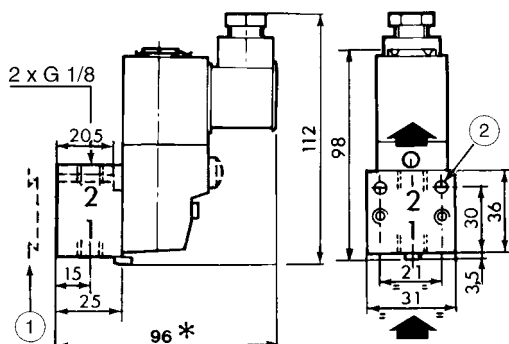
⑦ Secured by screw CM4 x 35

DIMENSIONS AND WEIGHTS

SOLENOID VALVE MOUNTED ON SINGLE SUBBASE

Weight SV
+ subbase :
0,335 kg

G 1/8
NC function only
2 connectable ports
Subbase : cat no. **35300047**

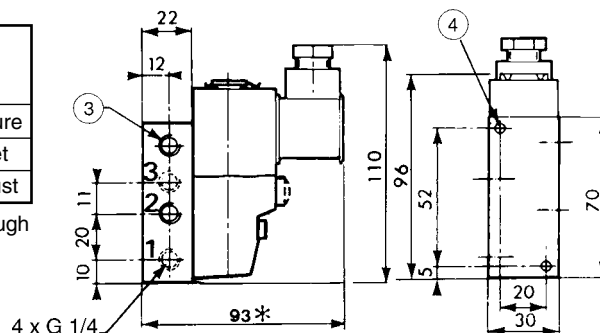


Weight SV
+ subbase :
0,395 kg

Ports	Connection	
	NC	NO
3	Exhaust	Pressure
2	Outlet	Outlet
1	Pressure	Exhaust

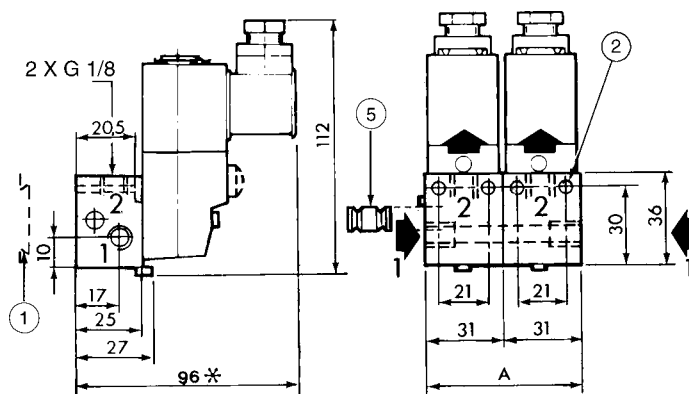
U : Pressure entry through any port

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

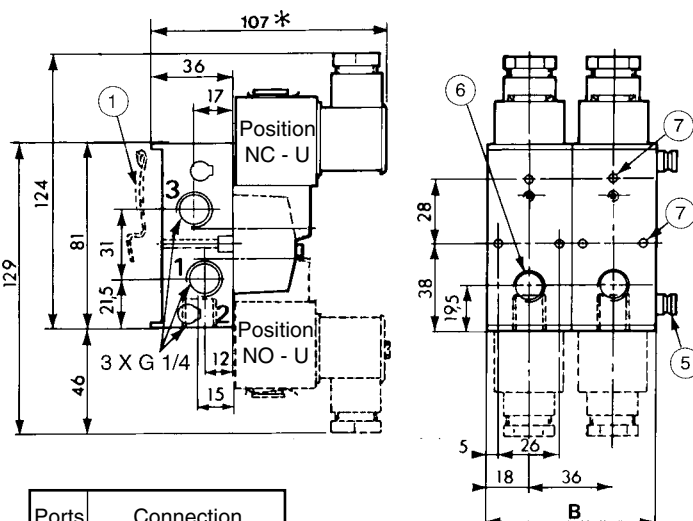


SOLENOID VALVE MOUNTED ON JOINABLE SUBBASE

G 1/8
NC function only
2 connectable ports
Subbase : cat no. **35300048**



G 1/4
NC-NO or U function
3 connectable ports
Subbase : cat no. **35300057**



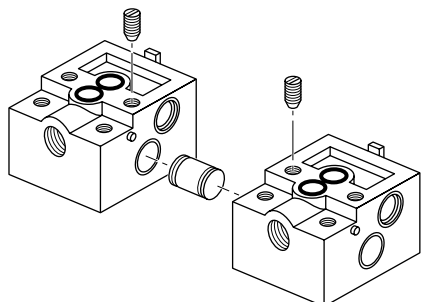
DIMENSION		Number of subbases						
		2	3	4	5	6	7	8
A		62	93	124	155	186	217	248
B		72	108	144	180	216	252	288
Weight (kg)	G 1/8	0,740	1,110	1,480	1,850	2,220	2,590	2,960
SV + subbase	G 1/4	0,880	1,320	1,760	2,200	2,640	3,080	3,520

Ports	Connection	
	NC-NO ou U	
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.



- 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

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