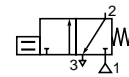




PIEZOTRONIC VALVES

ISO 15218 (CNOMO, size 15) interface
direct operated, pad mounting body
M5-1/8-instant-fitting subbases

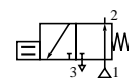
NC



3/2

Series

NO



630

(PISC/PIL prefix)

FEATURES

- Miniature, ultra-low power valves, low heat dissipation
- Specially designed for applications where there is a requirement for low power consumption, small size and low weight combined with excellent flow/pressure characteristics
- Pad mounting mini piezo-valves available with single or joinable subbase M5, G1/8 or instant fitting
- No wearing parts: practically unlimited service life
- No inductive peaks when switching: no circuit protection necessary
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure 2 to 8 bar [1 bar = 100 kPa]

Response time (ms) AC 70 DC 50

fluids (*)	temperature range (TS)	seal material (*)
air or neutral gas, filtered at 25 µm, without condensate. Dew point: -10°C	0°C to +60°C	NBR (nitrile)

CONSTRUCTION

Pneumatic base ISO 15218 (CNOMO E06.36.120N, size 15) or ISO 15218 (CNOMO E06.05.80, size 30) with adapter

MATERIALS IN CONTACT WITH FLUID

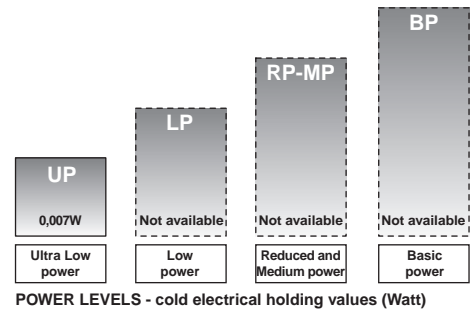
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body PPS

Internal parts Piezo ceramics

Seals NBR

Subbase Brass, PA or zinc diecast



SPECIFICATIONS

flow coefficient Kv		operating pressure differential (bar)		power ratings	(M)	piezotronic catalogue number	
(m³/h)	(l/min)	min.	max. (PS)	(W)		spade plug connection with size 15 connector	with 2 leads outlet
NC - normally closed							
0,006	0,100	2	8	0,007	X	63000063	63000013
0,006	0,100	2	8	0,007	▼	63000069	63000019
NO - normally open							
0,005	0,086	2	8	0,007	X	63000064	63000014
0,005	0,086	2	8	0,007	▼	63000070	63000020

(M) : Type of manual operator: X : without ▼ : push type

All leaflets are available on: www.asconumatics.eu



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网址：<http://www.ivalve.cc>

PIC-10-20-GB
传真：(86-532)585-10-365
Email：sales@bechinas.com

80314GB-2011/R01

ELECTRICAL CHARACTERISTICS OF CNOMO (PILOT) INTERFACE

Connector	Spade plug (cable Ø 6 - 7 mm)
Connector specification	DIN 43650, 9,4 mm, industry standard B or 2 leads outlet AWG 28, length 1 m
Electrical safety	IEC 335
Standard voltages ⁽¹⁾ (U _N)	AC/DC(=): 24 to 70 V (-10 %)
Duty cycle	100 % ⁽²⁾

power ratings				operator ambient temperature range	safety code	electrical enclosure protection (EN 60529)	type ⁽³⁾
inrush ~	holding ~		hot/cold =				
(VA)	(VA)	(W)	(W)	(°C) ⁽⁴⁾			
Ultra low power (UP)							
-	-	-	0,007	0 to +60	EN 60730	moulded IP65	01/02

⁽¹⁾ The piezo-valve is designed for continuous duty within the maximum ambient temperature limits.

⁽²⁾ Not to be used as a safety valve.

⁽³⁾ Refer to the dimensional drawings on pages 3 and 4.

⁽⁴⁾ **The minimum allowable ambient temperature is 0°C.**

ELECTRICAL CONNECTION

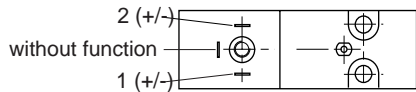
(Non polarized solenoid valves)

Version with 2 leads

Red wire : +

Black wire : -

Version with spade plug connection



SUBBASES - ACCESSORIES

(C)	description	code
03	Single subbase, in brass, M5 lateral connection	88263002
04	Intermediate subbase, in aluminium, (adapter) for mounting of Piezotronic valve series 630 on CNOMO interface E06.05.80 (30x30)	88263001
05	Single subbase, in zinc diecast, G1/8 connection	35300047 ⁽¹⁾
06	Joinable subbase, in zinc diecast, G1/8 connection	35300048 ⁽¹⁾
07	Visual LED indicator (Caution: consumption 0,25 W and max. voltage 24 V)	88130401
-	Plug size 15 with 2 m cable	88143567
-	Plug size 15 (with built-in visual indicator (LED), with 2 m cable max. 24 V =/~)	88143580

⁽¹⁾ Subbases with a CNOMO E06.05.80 interface (30x30) require the adapter **88263001** for Piezotronic valve mounting

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connections G 1/8 have standard thread according to ISO 228/1

DIMENSIONS (mm), WEIGHT (kg)



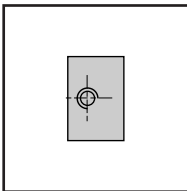
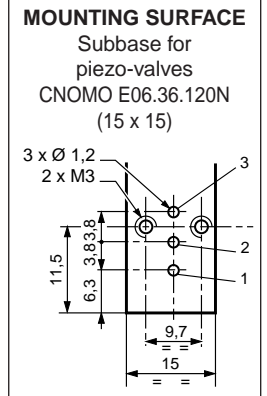
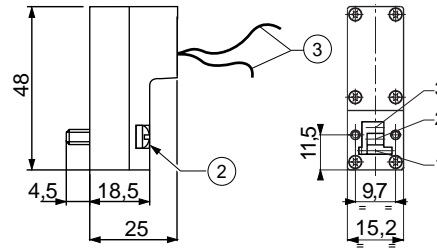
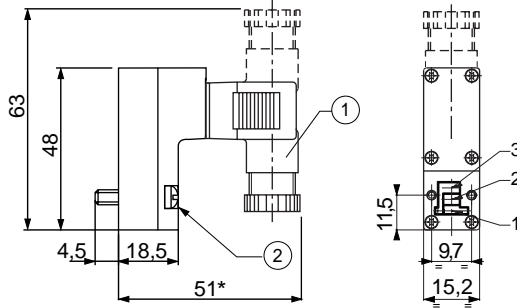
TYPE 01
Piezo-valves series 630
Ultra low power
IP65
Weight: 0,034 kg

63000063/069/064/070



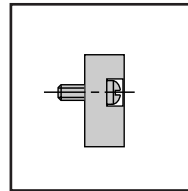
TYPE 02
Piezo-valves series 630
with 2 leads outlet
Ultra low power
IP65
Weight: 0,028 kg

63000013/019/014/020



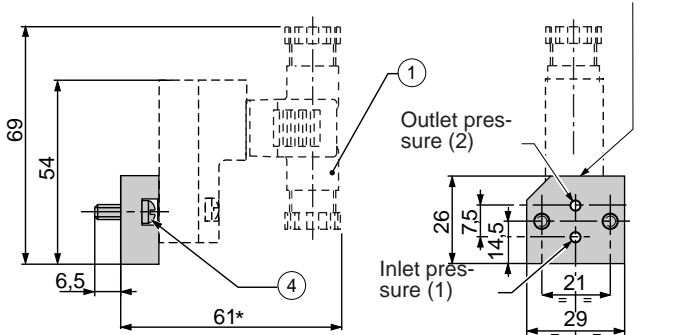
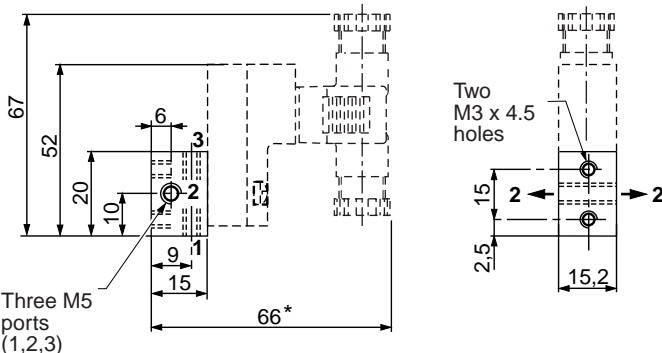
TYPE 03
Piezo-valves series 630
mounted on single M5 subbase
IP65
Total weight with connector: 0,066 kg

630 - - - - + 88263002



TYPE 04
Piezo-valves series 630
with CNOMO size 30 adapter
IP65
Total weight with connector: 0,053 kg

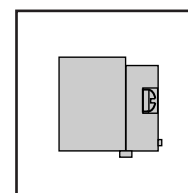
630 - - - - + 88263001



Single subbase connection:

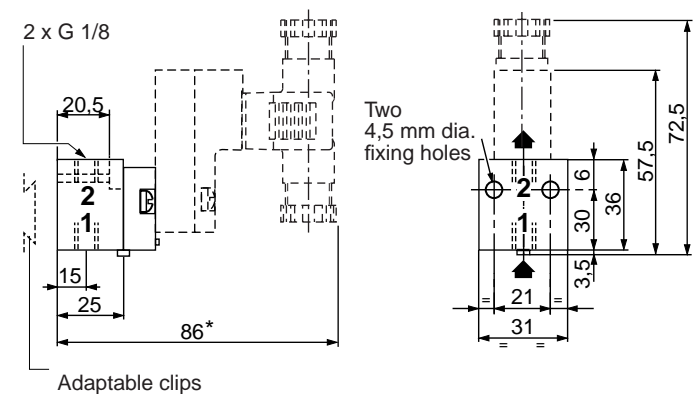
Outlet port (2) can be connected on the left or the right side of the subbase. Close the unused port with a Ø M5 plug (supplied).

- ① Plug connector size 15, rotatable by 90°, cable Ø 6-7 mm (Pg 7P)
- ② Secured by two screws CM3x20
- ③ 2 leads, length 1 m
- ④ Secured by two screws CM4x10
- (*) +10 mm for connector removal

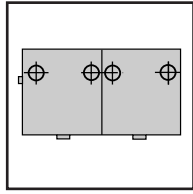


TYPE 05
Piezo-valves series 630
Ultra low power
CNOMO size 30 adapter
Mounted on single subbase 1/8
IP65
Total weight with connector: 0,121 kg

630 - - - - + 88263001 + 35300047



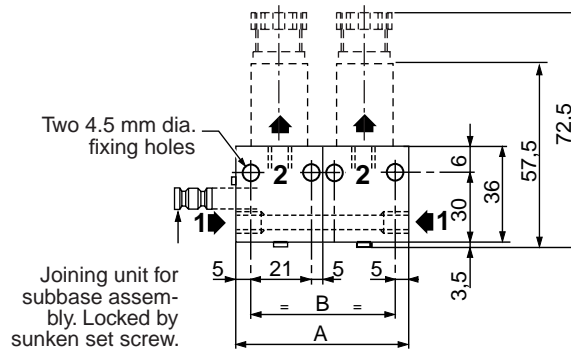
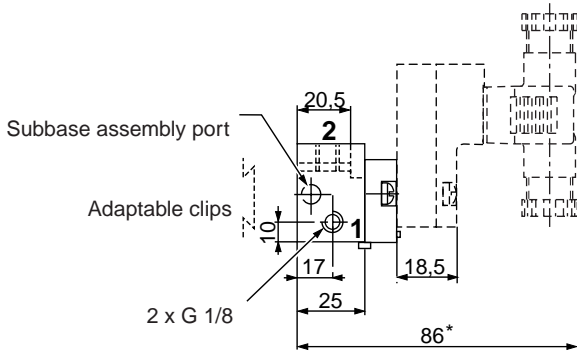
DIMENSIONS (mm), WEIGHT (kg)



TYPE 06

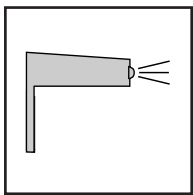
Piezo-valves series 630
with CNOMO size 30 adapter
Mounted on joinable subbase
EN50020
Total weight with connector: see table

630 - - - - + 88263001 + 35300048



Subbases supplied with seals, screws and joining units for gang mounting

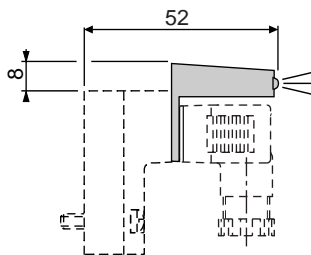
dimension	number of subbases						
	2	3	4	5	6	7	8
A	62	93	124	155	186	217	248
B	52	83	114	145	176	207	238
weight (kg)	0,363	0,608	0,853	1,098	1,343	1,588	1,833



TYPE 07

Piezo-valves series 630
Ultra low power
Assembly with LED indicator
IP65
Weight: 0,039 kg

630 - - - - + 88263002



* + 10 mm for connector removal