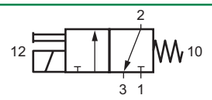
VALVOLE E GUIDE VESTA 2013 7-03-2013 9:47 Pagina 1

CNOMO PILOT CONTROL SOLENOID VALVE
ELETTROPILOTA CNOMO CON BOBINA ***DIN 43650-B***

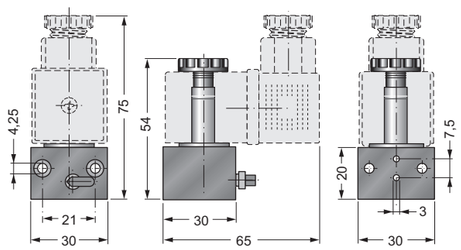
ELCDC - .....

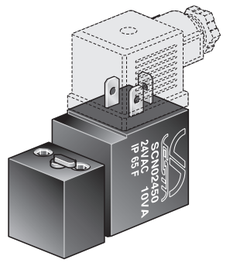
SIMBOL / *SIMBOLO*



CODES / *CODICI*

Ordination code *Codice ordinazione*	**Voltage** *Tensione*
ELCDC - 00000	No coil/*Senza solenoide*
ELCDC - 01200	12 V DC
ELCDC - 02400	24 V DC
ELCDC - 02450	24 V 50/60Hz AC
ELCDC - 11050	110 V 50/60Hz AC
ELCDC - 22050	220 V 50/60Hz AC





TECHNICAL FEATURES

Flow section	Ø 1,5 mm
Ambient temperature range	-10 °C ÷ +50 °C
Temperature range of medium	0 °C ÷ +50 °C
Lubrication	Not required
Medium	Filtered air
Operating pressure range	0 ÷ 10 bar
Reference temperature	+20 °C
Reference pressure	6 bar
Nominal air flow	100 Nl/min

CARATTERISTICHE TECNICHE

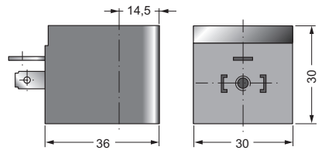
Diametro nominale	*Ø 1,5 mm*
Temperatura ambiente	*-10 °C ÷ +50 °C*
Temperatura fluido	*0 °C ÷ +50 °C*
Lubrificazione	*Non necessaria*
Fluido	*Aria filtrata*
Pressione d'esercizio	*0 ÷ 10 bar*
Temperatura nominale	*+20 °C*
Pressione nominale	*6 bar*
Portata nominale	*100 Nl/min*

COIL FOR **ELCDC** SOLENOID VALVE
SOLENOIDE PER ELETTROPILOTA

SCN . . . . .

CODES / *CODICI*

Ordination code *Codice ordinazione*	**Voltage** *Tensione*
SCN01200	12 V DC
SCN02400	24 V DC
SCN02450	24 V 50/60Hz AC
SCN11050	110 V 50/60Hz AC
SCN22050	220 V 50/60Hz AC



DIN 43650 - A

TECHNICAL FEATURES

Standard voltage	12, 24 V DC 24,110, 220 V AC (50/60 Hz)
Solenoid characteristics	2,5 Watt in DC; 3,5 V A in AC
Voltage	± 10% (continuos)
Ambient temperature range	-20 °C ÷ +50 °C
Degree of protection	Fixed plug IP 65 with connector
Pins according	DIN 43650 - B
Insulation	Class F
Expoy	Incapsulated

CARATTERISTICHE TECNICHE

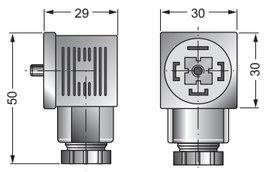
Tensione standard	*12, 24 V DC* *24,110, 220 V AC (50/60 Hz)*
Prestazioni bobina	*2,5 Watt in DC; 3,5 V A in AC*
Tensione nominale	*± 10% a bobina calda*
Limiti di temperatura ambiente	*-20 °C ÷ +50 °C*
Protezione	*IP 65 secondo IEC 144 con connettore e guarnizioni montate*
Connessione elettrica	*Secondo norma DIN 43650 - B*
Bobina	*Classe F, Filo rame classe 200 °C*
Sovrastampatura	*Resina epossidica*

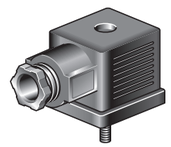
SOLENOID CONNECTOR FOR **SCN** COIL
CONNETTORE PER SOLENOIDE SERIE ***SCN***

CEP/2 . . . . . .

CODES / *CODICI*

Description *Descrizione*	**Code** *Codice*	**Voltage** *Tensione*
Universal connector *Connettore universale*	**CEP/2**	All tension *Tutte le tensioni*
Connector with led *Connettorecon led*	**CEP/2 L 10 / 50** **CEP/2 L 70 / 250**	10/50 V AC / DC 70/250 V AC / DC
Connector with led and varistor *Connettore con led e varistore*	**CEP/2 LV 24** **CEP/2 LV 110** **CEP/2 LV 220**	24 V AC / DC 110 V AC / DC 220V AC / DC





TECHNICAL FEATURES

Wire connection	With screwed terminals
Gland thread	PG 11
Number of poles	2 Poles + earth
Housing colour	Black, transparent in the led version

CARATTERISTICHE TECNICHE

Connessione cavi	*Con morsetti a vite*
Filettatura passacavo	*PG 11*
N° Poli	*2 Poli + terra*
Colori connettore	*Nero, trasparente nella versione con led.*

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Let's grow...flow!

PV32 series

pneumatic components

PV32 series

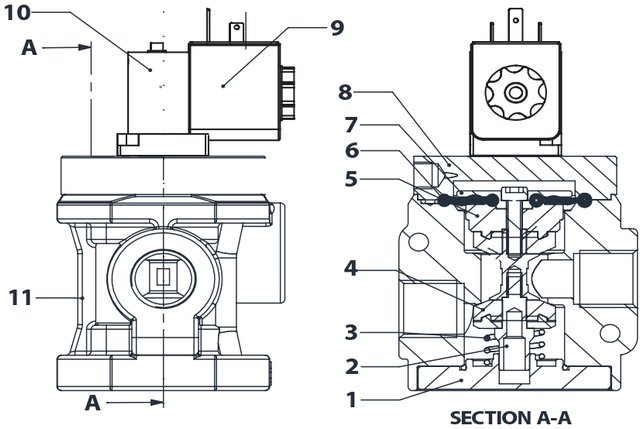
With its excellent sealing and long life seals, PV32 series covers applications where high flow rate of air or vacuum are needed.
Con un'ottima durata e tenuta di otturatori e membrana, la serie PV32 è impiegata dove sono richieste alte portate d'aria o vuoto.

The poppet + diaphragm system grants very high speed in reaching the max flow as well as high frequence of operations.
Il sistema ad otturatori + pilotaggio a membrana garantisce il raggiungimento della totale portata con grande velocità e frequenze di azionamento molto elevate.

N.C. and N.O. functions with solenoid or pneumatic operator
Funzioni 3/2 N.C. e 3/2 N.A. con pilotaggio pneumatico o elettropneumatico

External air supply for vacuum or low pressure inlet air
Alimentazione esterna del pilotaggio per funzionamento con vuoto o bassa pressione

Working conditions : -20°C +60°C, 3-10 bar, no lubrication needed
Condizioni lavoro : -20°C +60°C, 3-10 bar, lubrificazione non necessaria



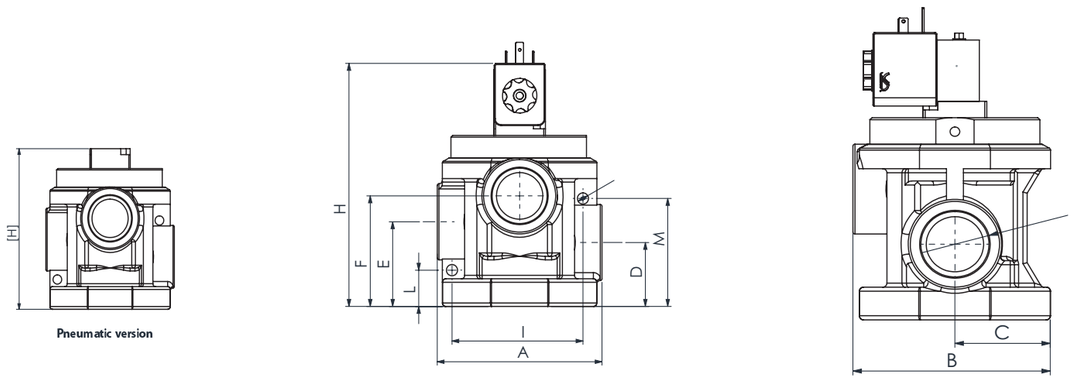
PART	DESCRIPTION	MATERIAL	TREATMENT
1	BOTTOM END CAP	ALLOY 11S	ANODIZED
2	SHUTTER GUIDE	STEEL	KANIGEN
3	SPRING	STAINLESS STEEL	
4	POPPET	PU 85 SH	MAX 10 Bar / -30 + 80°C
5	PISTON	P.O.M.	
6	DIAPHRAGM	PU 85 SH	MAX 10 Bar / -30 + 80°C
7	PISTON HOLDER	ALLOY 11S	
8	TOP END CAP	ALLOY 11S	ANODIZED
9	COIL		
10	SOLENOID OPERATOR	ALLOY 2011	ANODIZED
11	VALVE BODY	ALLOY 11S	POLISHING+PICKLING

New 3/2 balanced poppet valve from size G 1/2" to G 2"
Nuova serie di valvole 3/2 ad otturatore con taglie da 1/2" a 2"

Very high flow rate : from 5.500 Nl/min to 60.000 Nl/min
Alte portate comprese fra 5.500 Nl/min e 60.000 Nl/min

Available both for compressed air and for vacuum
Adatte al funzionamento con aria e con vuoto

Polyurethane poppet seals and polyurethane pilot diaphragm
Guarnizioni otturatori e membrana pilotaggio in poliuretano



OVERALL DIMENSIONS (mm) [Pneumatic version]					
SIZE	G1/2	G3/4"	G1"	G11/2"	G2"
A	78,5	78,5	101	158	210
B	75	75	94	138	183,5
C	35	35	45	84	79
D	30	30	38	68	92
E	41	41	51	68	92
F	50,5	50,5	64	98	129
G	G1/2"	G3/4"	G1"	G11/2"	G2"
H	128 [100]	128 [100]	144 [116]	193 [165]	265 [237]
I	63	63	76	113	150
L	21	21	25,51	34	48
M	54,5	54,5	62,5	113	152
N	Ø6,5	Ø6,5	Ø8,4	Ø11	Ø13

3/2 POPPET HIGH FLOW VALVES FOR AIR OR VACUUM / *VALVOLE 3/2 AD OTTURATORE PER ARIA E VUOTO*

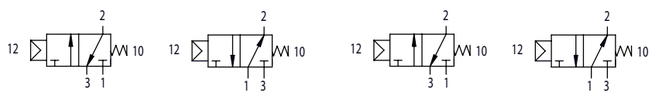
PV32 □1S□□□□ □

- Pneumatic Pilot / *Comando Pneumatico* P
- Solenoid Pilot / *Comando Elettropneumatico* W
- Normally Closed (NC) / *Normalmente chiusa* 6
- Normally Open (NO) / *Normalmente aperta* 9
- Standard M
- External pilot Air Supply / *Alimentazione Pilotaggio Esterno* E
- Size / *Taglia*: 12 G1/2" · 34 G 3/4" · 10 G 1" · 15 G 1 ½" · 20 G 2"
- A Air / *Aria*
- V Vacuum / *Vuoto*

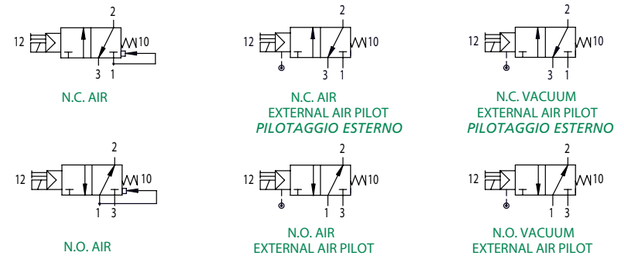
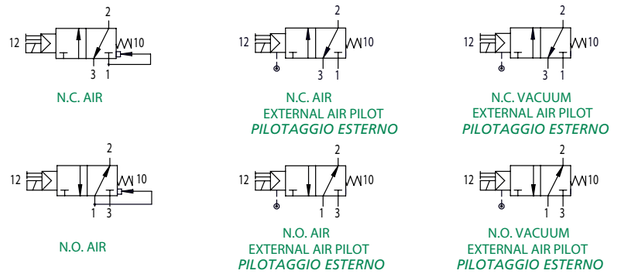
TECHNICAL FEATURES					
SIZE	G1/2"	G3/4"	G1"	G 1 1/2 "	G2"
AIR FLOW AT 6 bar [Nl/min]	5500	6500	13500	35000	60000
VACUUM FLOW AT 755mmHg [m3/h]	20	35	90	180	250
PRESSURE RANGE [bar]	FROM 3 TO 10 BAR				
TEMPERATURE RANGE [°C]	FROM -20° TO 60° C				

VALVE FUNCTIONS / *FUNZIONI VALVOLE*

PV32P... PNEUMATIC PILOT — SIZE 1/2" ÷ 2"



PV32W... SOLENOID VALVE — SIZE 1/2" ÷ 1"



PV32W... SOLENOID VALVE — SIZE 1½" – 2"