



2/2 - SOLENOID VALVE

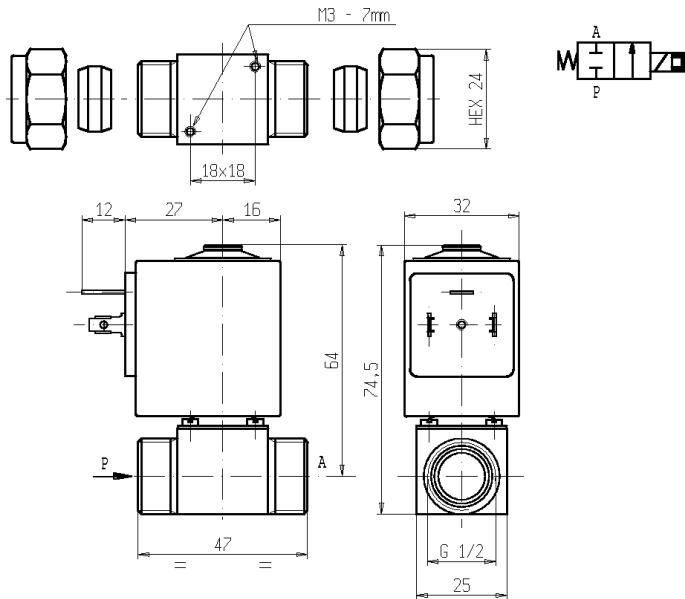
Series L160 - Coil Z570A - Z570C

L160

LATCHING MODEL

ISO 9001

NON STANDARD



FEATURES - Direct acting solenoid valve. Suitable to shut off liquid and gaseous media compatible with the valve materials. Complete with compression fittings for copper tubes O.D. 15 mm.

MOUNTING - In any position, vertical with coil upwards preferred.

VALVE - Brass body . Internal parts in stainless steel. Seals as per table. Medium temperature from -10°C to +90°C (NBR). Viscosity max 5°E (~37cStokes or mm²/s). Opening/closing time see table overleaf.

COIL - Magnetic latch type only in DC (direct current). Operating with impulses; minimum energizing time see table overleaf. Coil in class "A" (+105°C) wound by class "H" wires (+180°C) vacuum impregnated by polyester resin and encapsulated into PP-VO (self extinguishing polypropylene).

Ambient temperature from -10°C to +60°C

Standard voltages 6-12 V DC.

Voltage tolerance +10% -10% DC.

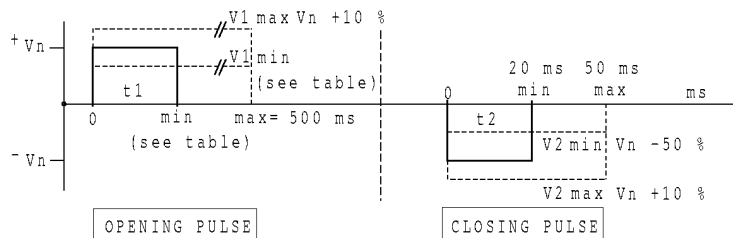
Electric plug connection (DIN 46340) or suitable for 3 poles connectors (DIN 43650).

Protection degree IP65 as per EN 60529 if the coil is duly fitted with its plug connector.



Port size	Orifice size (mm)	Max pressure (bar)				Kv (m³/h)	Series and type		Power absorption			Seals	Notes	Weight (kg)
		Gases		Liquids			Valve	Coil	AC (VA)		DC (W)			
		AC	DC	AC	DC				Inrush	Holding				
-	1,6	-	12	-	12	L160Q1	Z570C	-	-	3	NBR	1	0,390	
	2,3		7		7									0,15
	3,5		6		5									0,30
	1,6		12		12	0,08	L160Q2			Z570A				6
	2,3		9		9	0,15								

NOTES - Seal: NBR = Special nitrile-butylene elastomer.
 - Other voltages on request.
 1 - WRC approved solenoid valves, certificate N° 9702005.



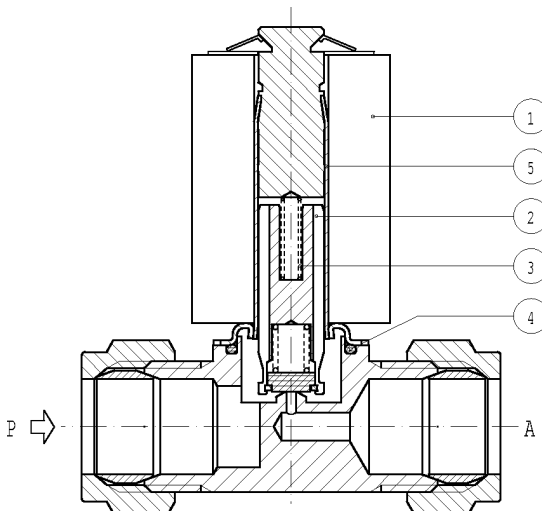
Vn = coil voltage
 t1 : t2 = pulse duration (square wave)

MINIMUM CONDITIONS REQUIRED FOR OPENING

VALVE		$\Delta P \text{ } \emptyset$		$\Delta P \text{ } 25\%$		$\Delta P \text{ } 50\%$		$\Delta P \text{ } 75\%$		$\Delta P \text{ } 100\%$	
Model	Coil	t1	V1	t1	V1	t1	V1	t1	V1	t1	V1
L160Q1 $\emptyset \text{ } 1,6$	Z570C 3 W	30ms	Vn-55%	30ms	Vn-40%	35ms	Vn-28%	35ms	Vn-20%	35ms	Vn-10%
L160Q1 $\emptyset \text{ } 2,3$	Z570C 3 W	25ms	Vn-65%	25ms	Vn-45%	30ms	Vn-30%	30ms	Vn-20%	30ms	Vn-10%
L160Q1 $\emptyset \text{ } 3,5$	Z570A 6 W	35ms	Vn-50%	35ms	Vn-37%	40ms	Vn-27%	40ms	Vn-18%	40ms	Vn-10%
L160Q2 $\emptyset \text{ } 1,6$	Z570A 6 W	30ms	Vn-55%	30ms	Vn-40%	35ms	Vn-28%	35ms	Vn-20%	35ms	Vn-10%
L160Q2 $\emptyset \text{ } 2,3$	Z570A 6 W	25ms	Vn-65%	25ms	Vn-45%	30ms	Vn-30%	30ms	Vn-20%	30ms	Vn-10%

SPARE PARTS

Series L160



Kit Description

Core kit L160Q1 $\emptyset \text{ } 1,6$
 Core kit L160Q1 $\emptyset \text{ } 2,3$
 Core kit L160Q1 $\emptyset \text{ } 3,5$
 Core kit L160Q2 $\emptyset \text{ } 1,6\text{-}\emptyset \text{ } 2,3$

Core spring kit L160Q1 $\emptyset \text{ } 1,6$
 Core spring kit L160Q1 $\emptyset \text{ } 2,3$
 Core spring kit L160Q1 $\emptyset \text{ } 3,5$
 Core spring kit L160Q2 $\emptyset \text{ } 1,6\text{-}2,3$

Guide pipe assembly

Coil Z570C L160Q1 $\emptyset \text{ } 1,6\text{-}\emptyset \text{ } 2,3$
 Coil Z570A L160Q1 $\emptyset \text{ } 3,5$ - L160Q2 $\emptyset \text{ } 1,6\text{-}\emptyset \text{ } 2,3$

Kit P.N.

G2885901
 G2885902
 G2889503
 G2885904

G2960601
 G2891901
 G2495401
 G2957101

2754102

Consisting of:

Core pos. 2
 Core return spring pos. 3
 OR guide assembly pos. 4

N. 10 Core return springs pos. 3

Guide pipe assembly pos. 5

Coil pos. 1
 Coil pos. 1

NB - THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATING ARE AVAILABLE ON REQUEST