720 Series



Compact solenoid valve | 2/2-3/2 NC-NO PNEUMATIC DIVISION



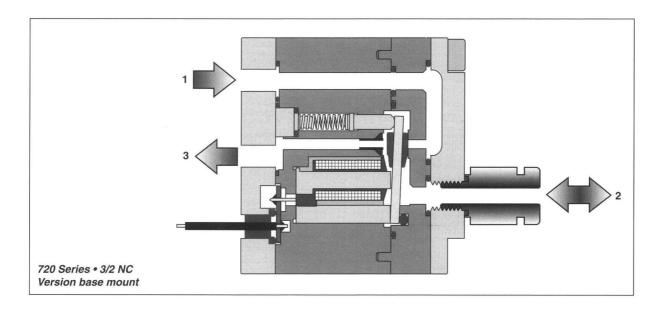
SOLENOID VALVES 720 SERIES • 2/2 • 3/2

Pneumatic solenoid valves of 720 Series are available in both NC and NO version. They include all innovations, which are present in Matrix solenoid valves, both in materials and in operating principles. They couple simplicity and reliability with high dynamic performance. Response times are of milliseconds range, while their operating life is over 500 million cycles. The Series comprises Vacuum versions designed for uses with vacuum technique.

Due to the facility to be speed-up controlled, dynamic characteristics become even more improved: standard solenoid valves equipped with 24 VDC control present response times lower than 5 ms in opening and 2 ms in closing, with a maximum operation frequency 200 Hz. On the contrary, solenoid valves equipped with speed-up control present a response time both in opening and closing lower than 2 ms, with a maximum operation frequency 300 Hz.

Besides high-speed characteristics, solenoid valves 720 Series offer flow rate value to 100 ℓ /minute (ANR), with supply pressure from 0 to 8 bar.

720 Series is available both in line assembly version and on sub-plate and is equipped with a range of accessories such as multi-position manifolds and speed-up driver boards



Advantages

- · Compact dimension.
- · High duct diameter and flow rate.
- · Short response times.
- · Insensitivity to frequency work and to vibrations.
- Low absorbed power.
- · Precision, repetitiveness and flexibility.
- Long operating life.

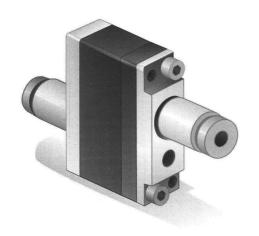
Applications

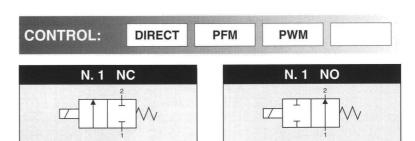
- · Process and precision instrumentation.
- · Pressure and flow rate control devices.
- · Positioning systems.
- · Pilot systems.
- · Selection systems.
- Metering systems.
- · Biomedical and measure sector.
- Industrial automation.

Materials

- · Body in PPS.
- Flanges in Al.
- Seals in NBR (shutters in HNBR on request).

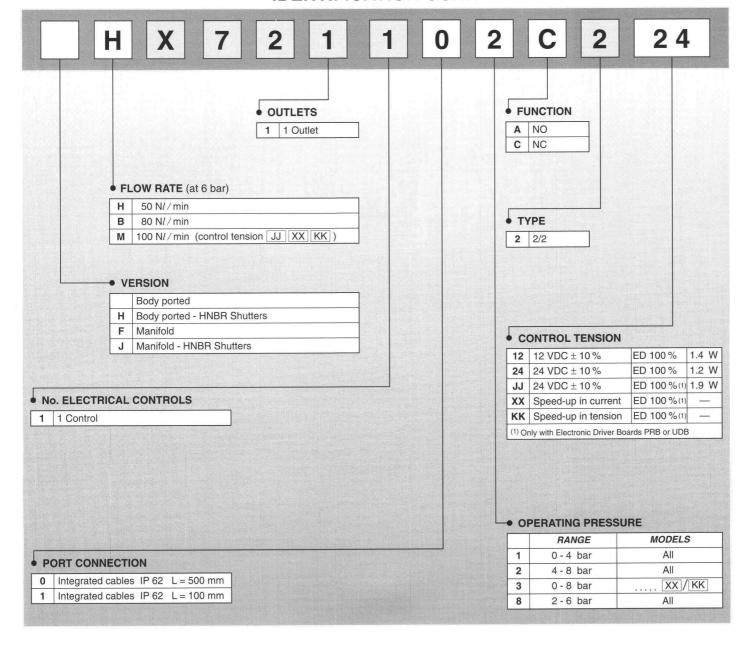




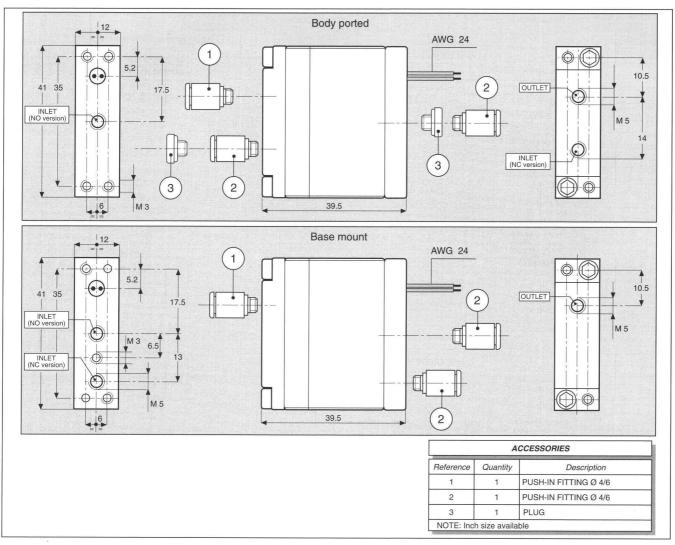


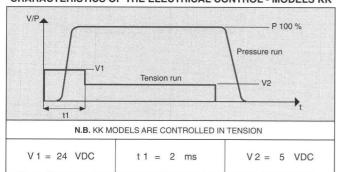
GENERAL CHARACTERISTICS

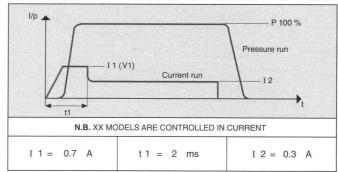
FLUID	Non-lubrifcated dry air, neutral gases (-10 + 50°C)		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Sta	- 10 + 50°C (Standard version)	
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	35 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycle	S	
IP RATING	IP 62		

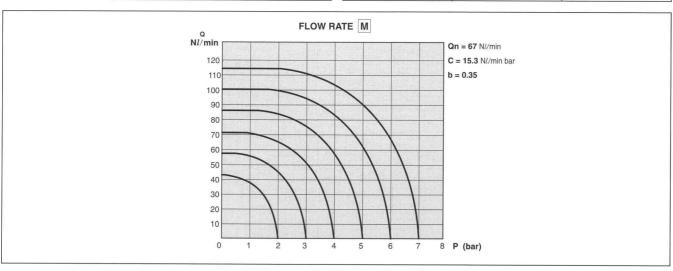




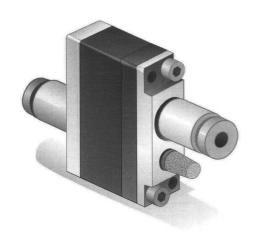


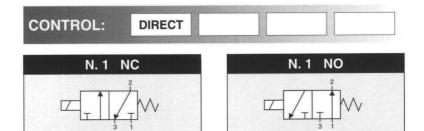






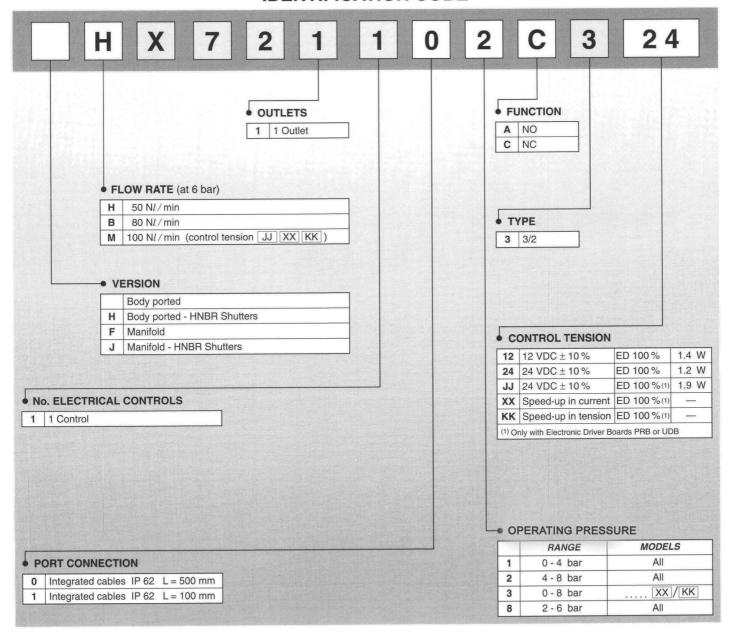




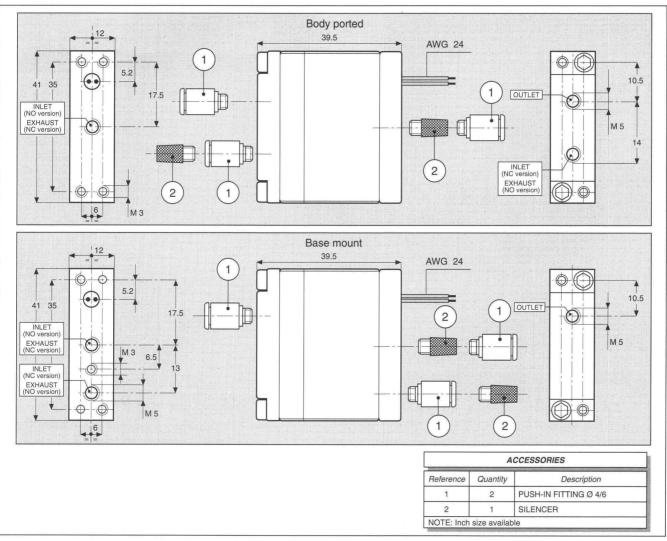


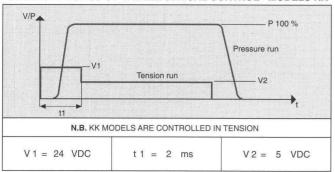
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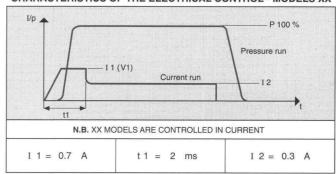
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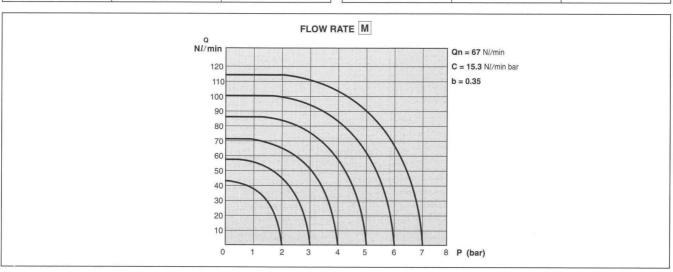




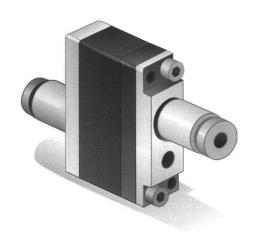


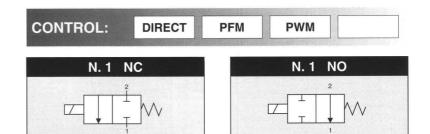






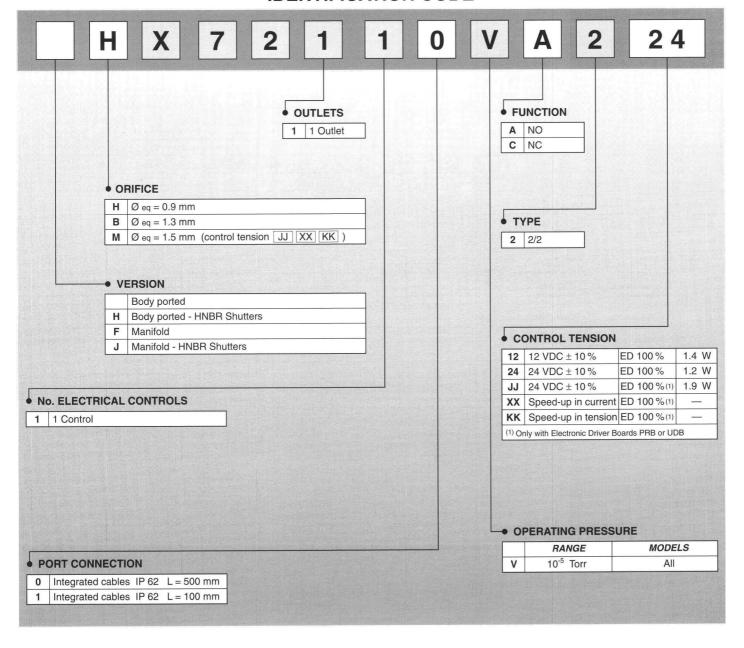




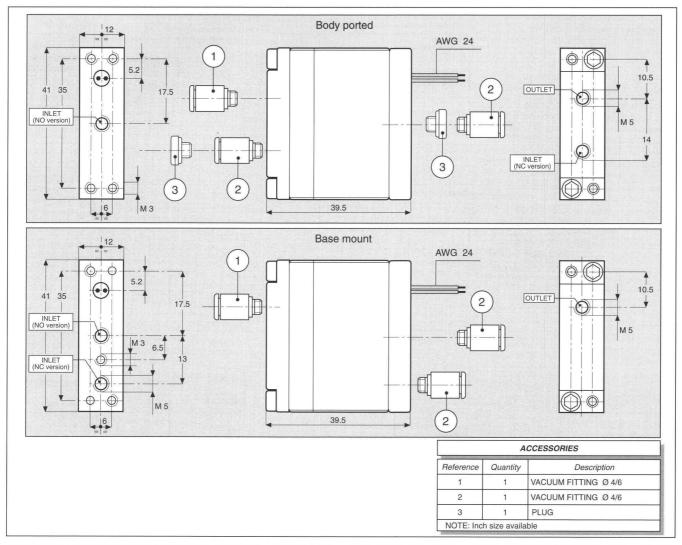


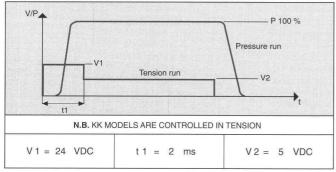
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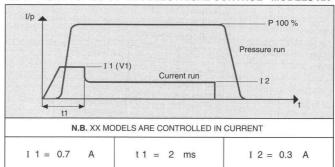
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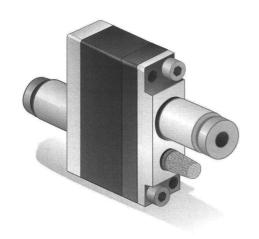


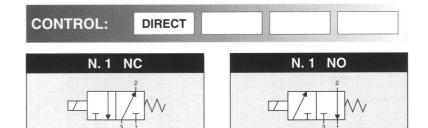






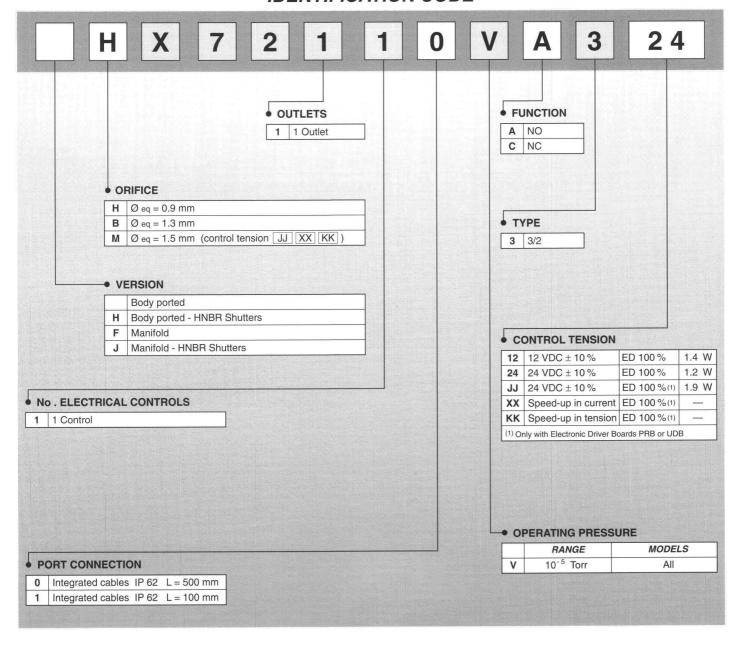




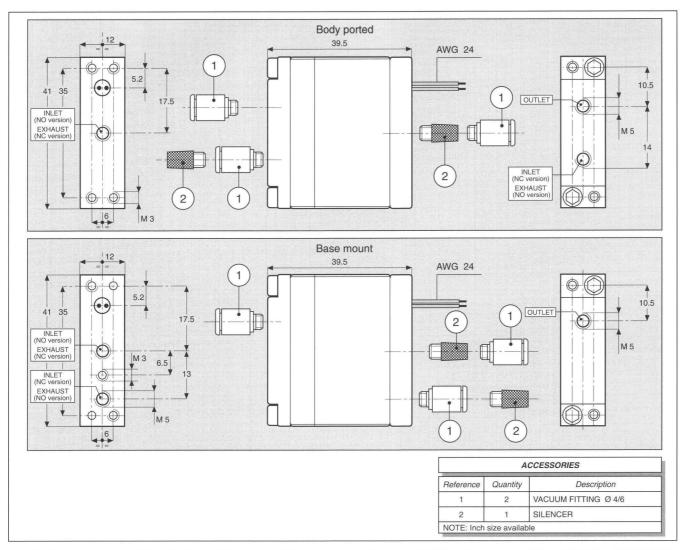


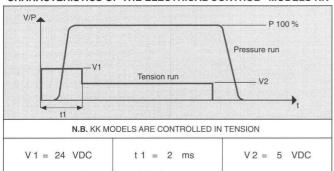
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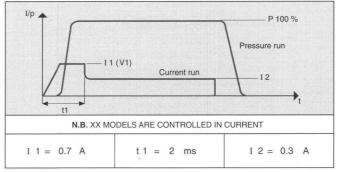
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Manifold - 720 Series

Manifolds for multiple installing represent a fast and safe system of connection for all 720 Series models. Manifolds are available in patterns for 4 and 8 solenoid valves. They come in a kit with fastening screws, inlet push-in fittings, closure plug and sealing O-Rings.

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How to order manifolds - Available patterns

Pattern	Kit code	Y (mm)	Z (mm)
no. 4 Solenoid valves	861.310 I	70	60
no. 8 Solenoid valves	861.321 T	120	110

