5/2 750 Series encloses 8 shutters in a single body, four in NC configuration and four in NO configuration. Shutters are placed in NC - NO couples and every couple is combined to a single control, providing the change of function.

The 8 outlets of the solenoid valve are also placed in an alternated NC - NO sequence and every couple is prearranged to control a double-acting cylinder.

The models present all the innovations offered by Matrix technology, combining dynamic high-performance with the simplicity and reliability of the manufacture. Response times are of milliseconds while operating life lasts over 500 million cycles.

Due to the control of speed-up type, dynamic characteristics are even more improved. Standard solenoid valves have a response time lower than 5 ms in opening and in closing, with a maximum operating frequency of 100 Hz.

For 5/2 750 series, a lot of accessories are available, such as IP 52 or IP 56 connectors, manifolds with different positions and speed-up driver boards.


750 Series • 5/2
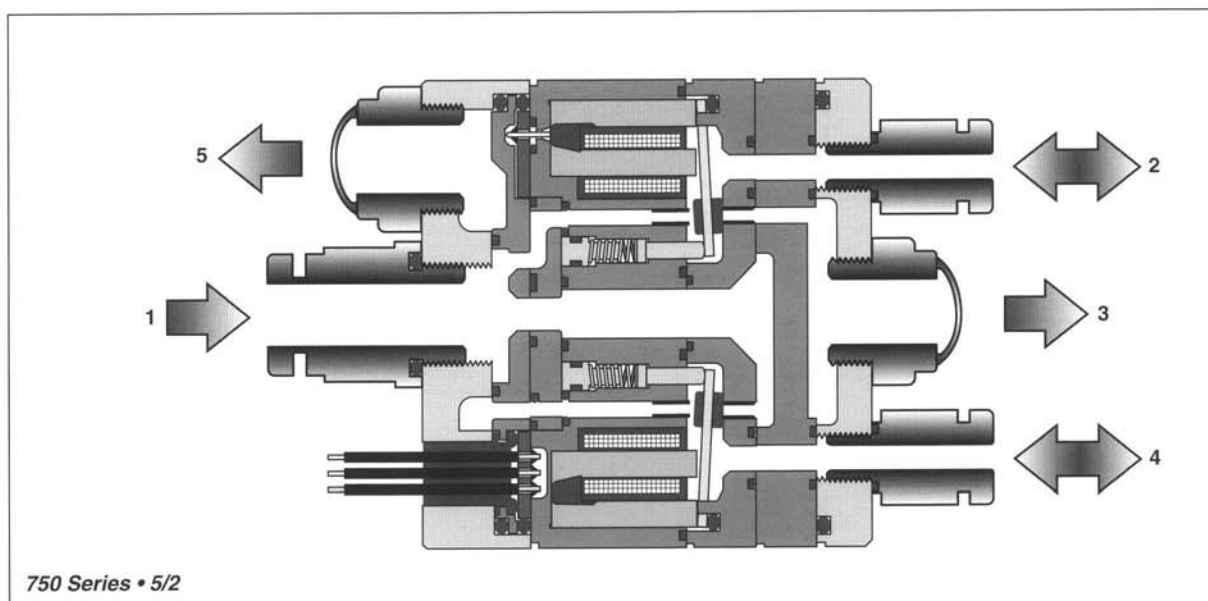
Advantages

- Compact dimension.
- Short response times.
- Insensitivity to frequency work and to vibrations.
- Low absorbed power.
- Precision, repetitiveness and flexibility.
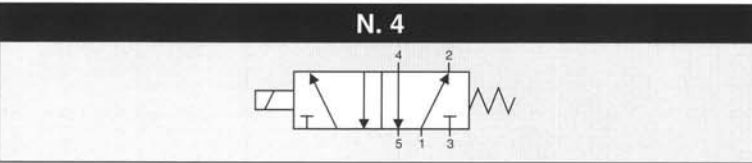- Long operating life.

Applications

- Process and precision instrumentation.
- Industrial automation.
- Robotics.
- Positioning systems.
- Piloting.

Materials

- Body in PPS.
- Flanges in Al.
- Seals in NBR (shutters in HNBR if required).

CONTROL: | DIRECT | | | |

N. 4
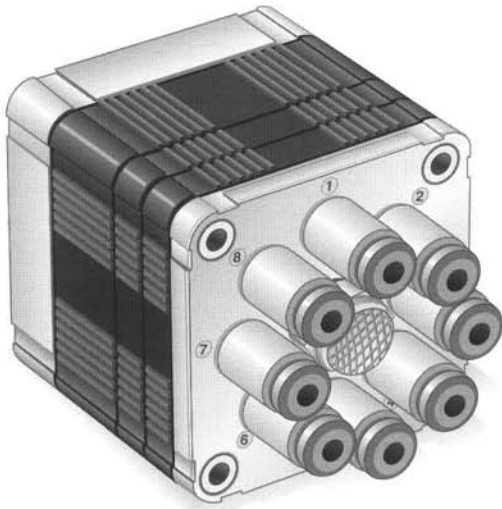
GENERAL CHARACTERISTICS

FLUID	Non-lubricated dry air, neutral gases (−10 + 50°C)
FILTRATION RATING	Min 40 micron
TEMPERATURE	− 10 + 50°C (Standard version)
RESPONSE TIME IN OPENING	KK < 5 ms
RESPONSE TIME IN CLOSING	KK < 5 ms
MAXIMUM FREQUENCY	100 Hz
WEIGHT	380 g
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles
IP RATING	IP 52 - IP 65

IDENTIFICATION CODE

	H	X	7	5	8	4	E	8	E	5	K K

● **OUTLETS**

8	8 Outlets

● **FUNCTIONS**

E	N.4 Outlets NO
	N.4 Outlets NC

● **FLOW RATE** (at 6 bar)

H	50 Nl / min

● **TYPE**

5	5/2

● **VERSION**

	Standard
H	HNBR Shutters

● **CONTROL TENSION**

KK	Speed-up in tension	ED 100 % [1]	—

[1] Only with Electronic Driver Boards PRB or UDB

● **No. ELECTRICAL CONTROLS**

4	4 Controls

● **PORT CONNECTION**

E	Presetting for Easy connection
	IP 52 - IP 65

● **OPERATING PRESSURE**

	RANGE	MODELS
8	2 - 6 bar	All

VIEW A

VIEW A

AWG 24 L = 500 mm

53

MAX 5   MAX 5

55

INLET

EXHAUST

9.5

9.3

M 5

18.5

55

G 1/4

43

44

OUTLET

EXHAUST

44

M 5

G 1/8

34

OUTLETS M 5	
Normally Open	1 - 3 - 5 - 7
Normally Closed	2 - 4 - 6 - 8

ACCESSORIES		
Reference	Quantity	Description
1	1	PUSH-IN FITTING Ø 10
2	8	PUSH-IN FITTING Ø 4/6
3	1	SILENCER
4	1	SILENCER
NOTE: Inch size available		
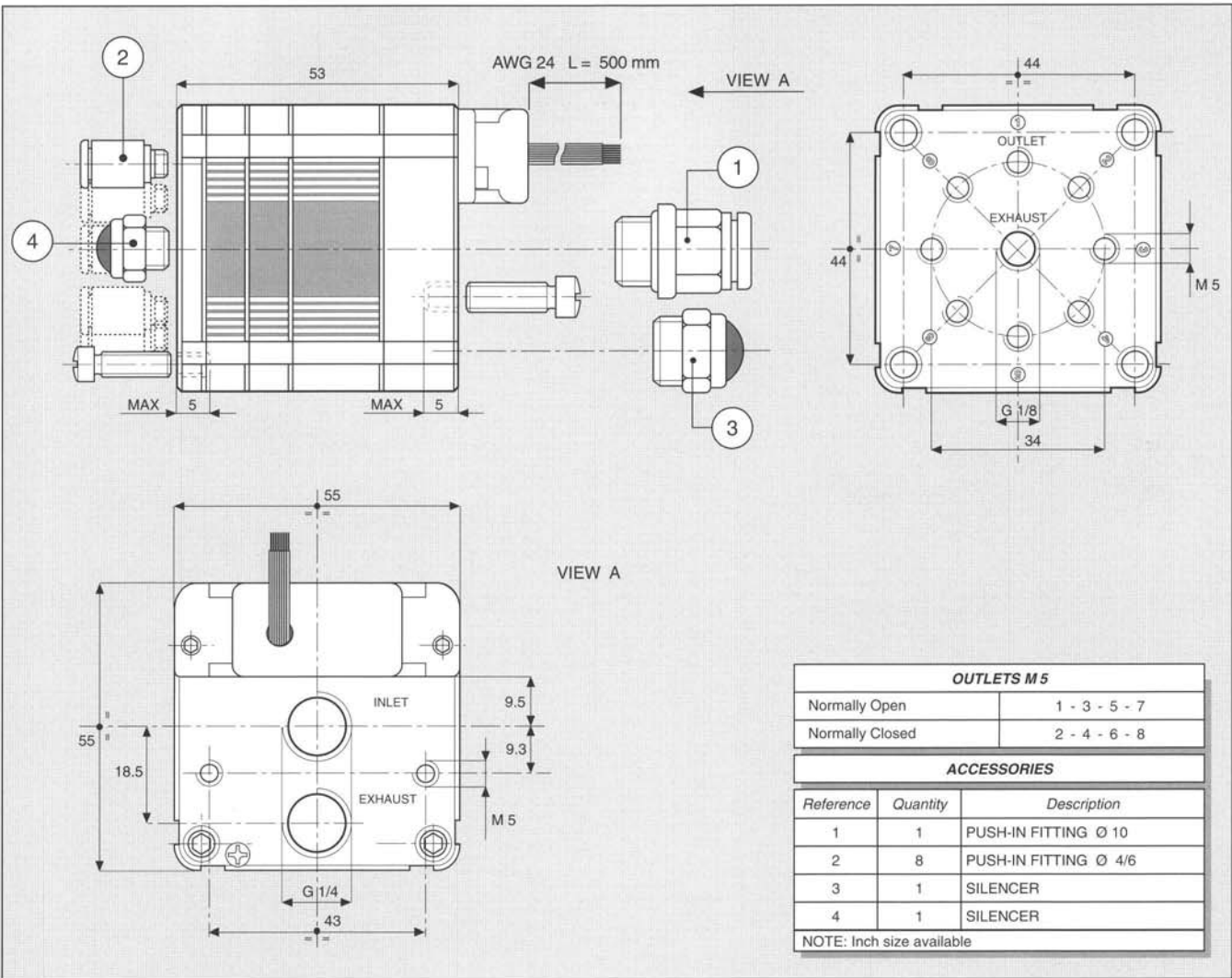
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS KK

V/P

P 100 %

Pressure run

V1

Tension run

V2

t1

t
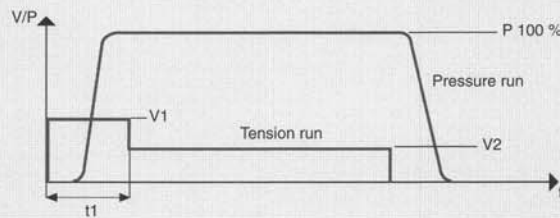
N.B. KK MODELS ARE CONTROLLED IN TENSION

V 1 = 24 VDC	t 1 = 6 ms	V 2 = 5 VDC

FLOW RATE H

Q Nl/min

Qn = 34 Nl/min
C = 7.14 Nl/min bar
b = 0.464

P (bar)
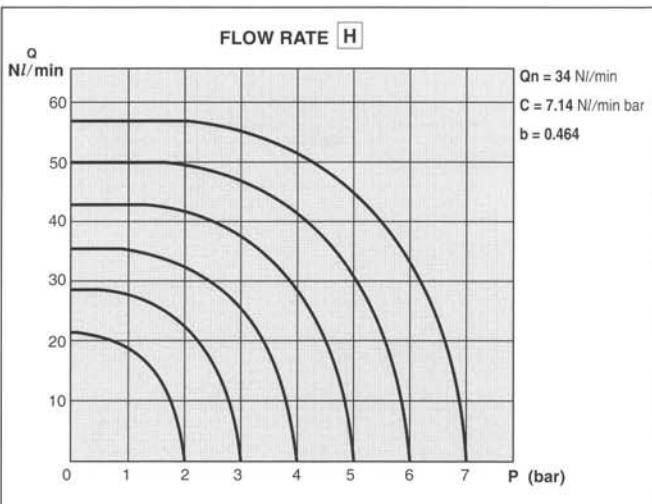
ELECTRICAL PORT CONNECTION

COLOUR	4 CONTROLS
BLACK	COMMON
BROWN	1 – 2
RED	3 – 4
ORANGE	5 – 6
YELLOW	7 – 8