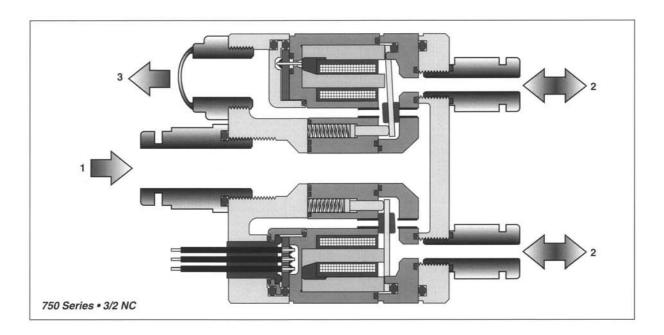
SOLENOID VALVES 750 SERIES • 2/2 • 3/2

750 Series 2/2 and 2/3 encloses in a single body eight shutters in NC or NO configuration. The series modularity allows to have at disposal a single outlet or 2, 4, 8 independent outlets. All innovations offered by Matrix technology are present. Said characteristics couple manufacturing simplicity and ability of dynamic high-performances. Response times are of millisecond range, while operation life is over 500 million cycles. The Series includes the Vacuum versions designed for uses with vacuum technique. Due to the facility to be speed-up controlled, dynamic characteristics are 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 100ℓ /minute (ANR), with supply pressure from 0 to 8 bar.

For 750 multi-function series, a lot of accessories are available, such as IP 52 or IP 56 connectors, manifolds with different positions 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

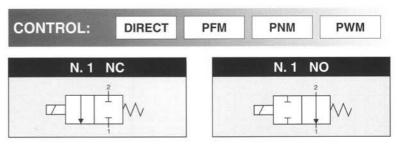
- · Process and precision instrumentation.
- · Pressure and flow rate control devices.
- · Positioning systems.
- · Pilot system.
- · Selection systems.
- · Metering systems.
- · Biomedical and measure sector.

Materials

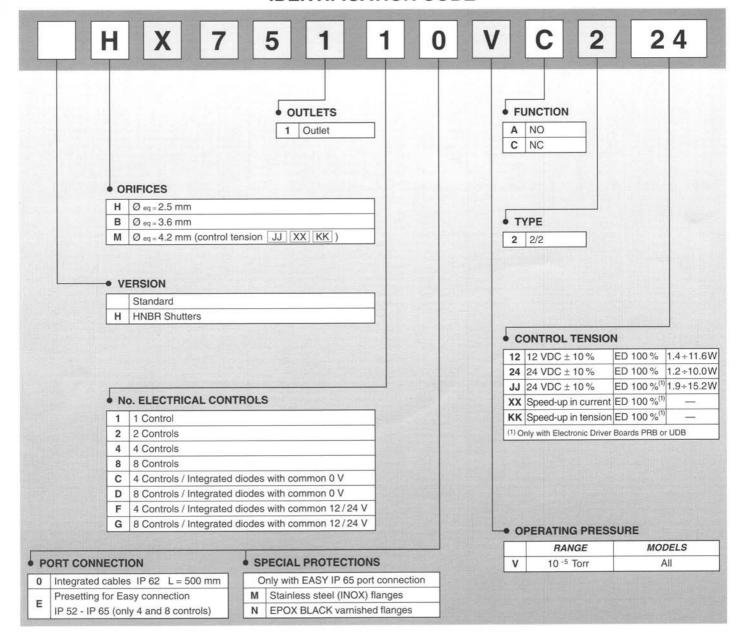
- · Body in PPS.
- Flanges in Al. (in INOX if required).
- · Seals in NBR. (shutters in HNBR if required).



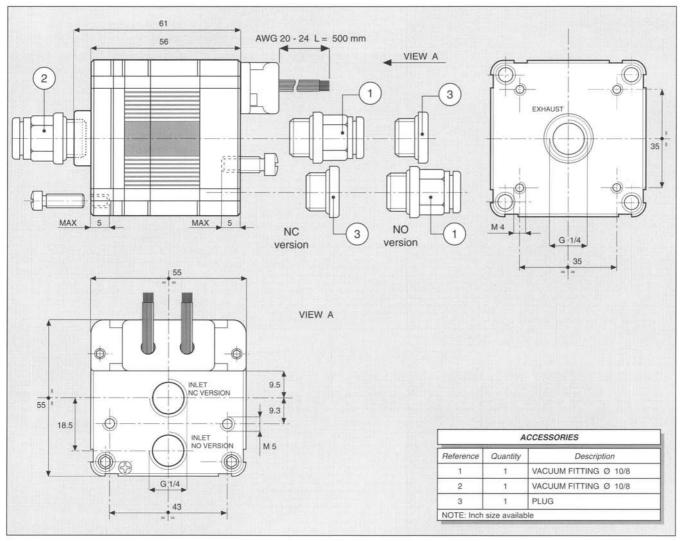


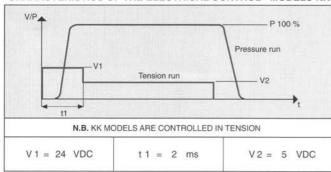


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C)		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX / KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	380 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62 - IP 65		

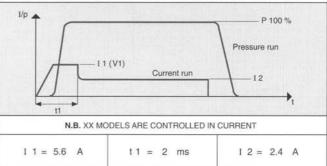








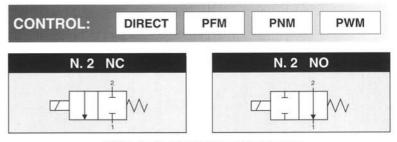
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



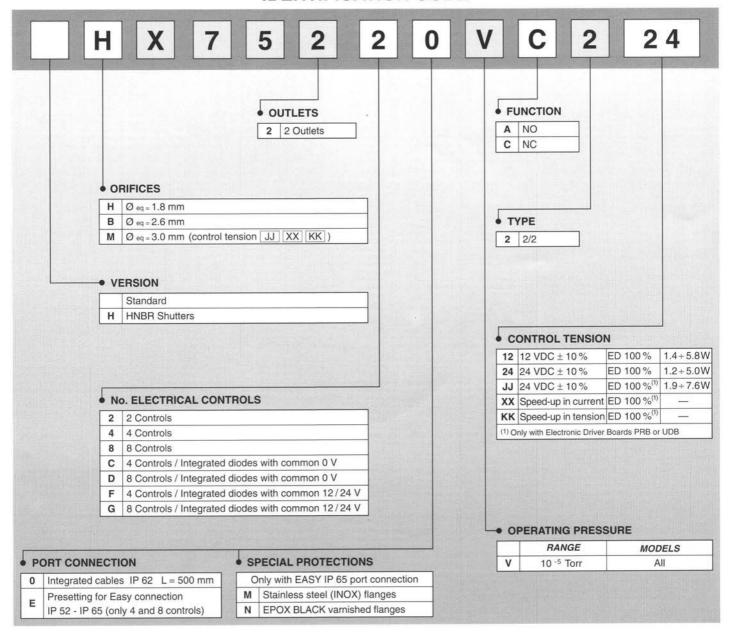
COLOUR	1 CONTROL	2 CONTROLS	4 CONTROLS	8 CONTROLS
BLACK	COMMON	COMMON	COMMON	COMMON
BROWN		1	1	1
RED	1	2	2	2
ORANGE		1	3	3
YELLOW		-	4	4
GREEN		-		5
BLUE		:==	-	6 -
VIOLET		-	_	7
GREY		-	_	8



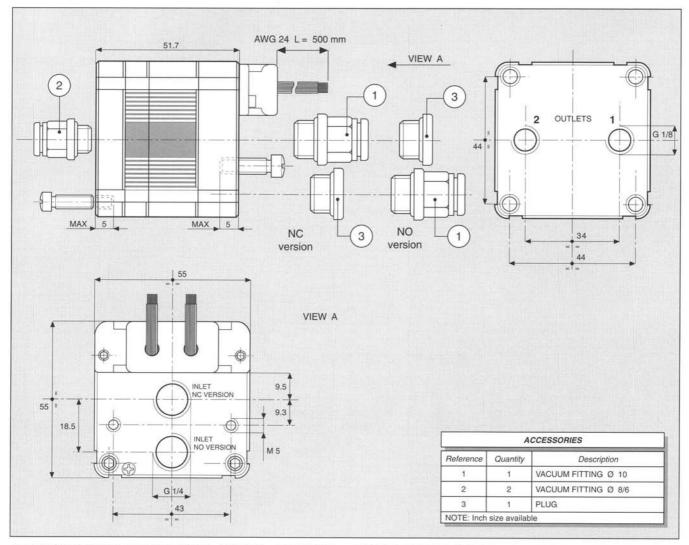


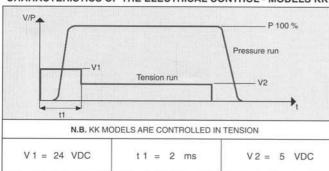


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C		
FILTRATION RATING	Mix 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	330 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62 - IP 65		

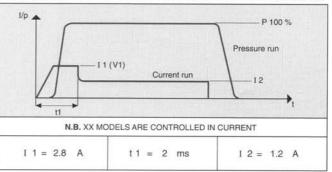








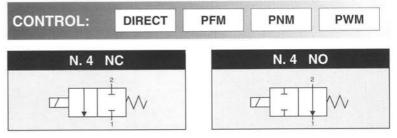
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



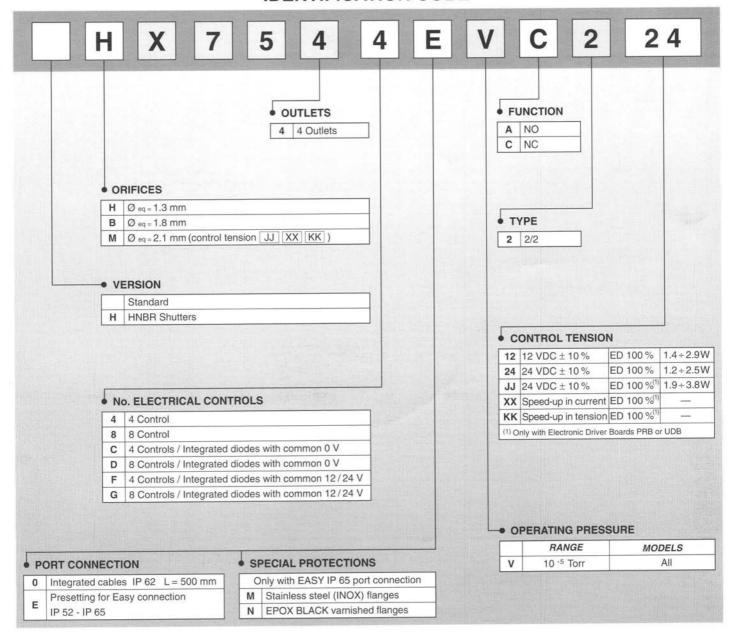
COLOUR	2 CONTROLS (SINGLE CABLES)	2 CONTROLS EASY CONNECTION IP 52	4 CONTROLS (OUTLET)	8 CONTROLS (OUTLET)
BLACK	COMMON	COMMON	COMMON	COMMON
BROWN	1	1	1 (1)	1 (1)
RED	2		2 (1)	2 (1)
ORANGE	_	2	3 (2)	3 (1)
YELLOW	_	=	4 (2)	4 (1)
GREEN	<u> </u>	-	_	5 (2)
BLUE		_		6 (2)
VIOLET		-	=	7 (2)
GREY	- 1	1-	_	8 (2)



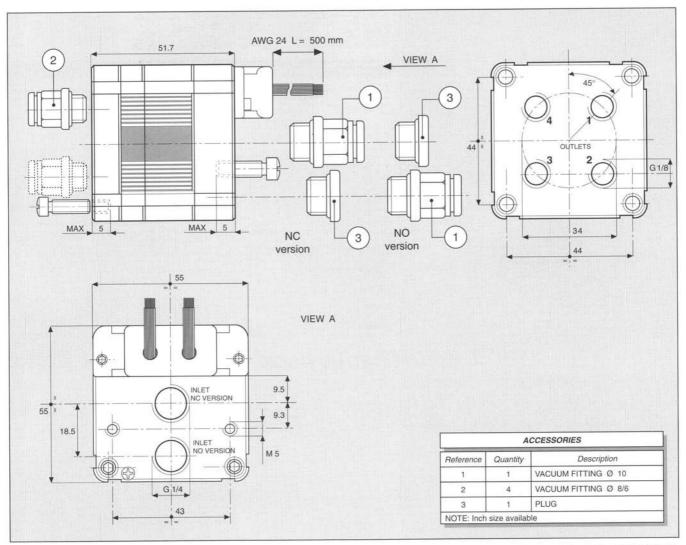


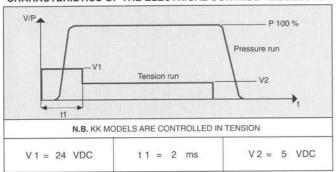


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C			
FILTRATION RATING	Min 40 micron			
TEMPERATURE	- 10 + 50°C (Standard version)			
RESPONSE TIME IN OPENING	12 / 24 < 7 ms			
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms	
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz	
WEIGHT	340 g			
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles			
IP RATING	IP 52 - IP 62 - IP 65			

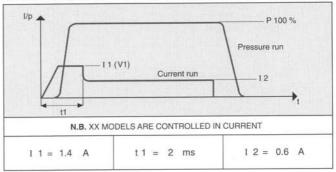






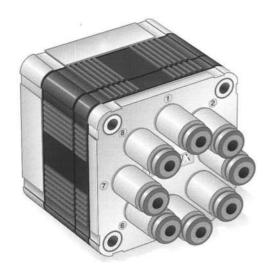


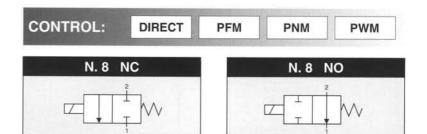
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



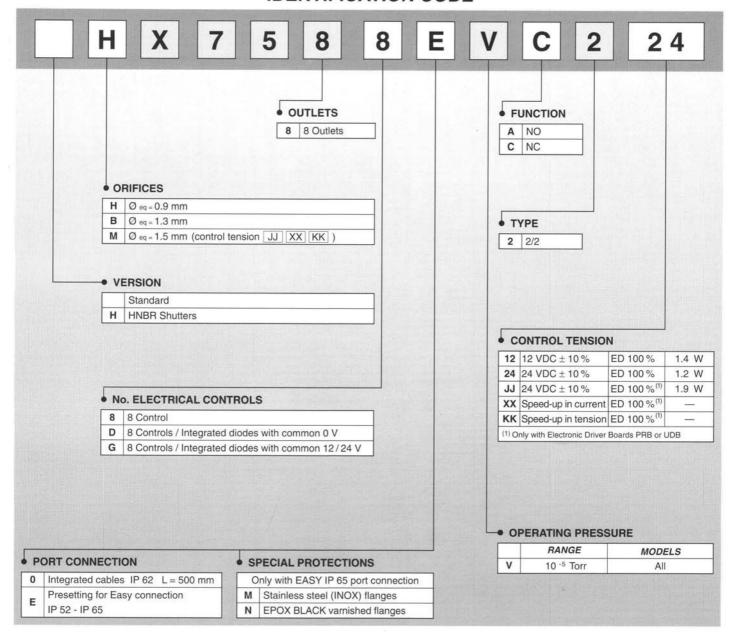
COLOUR	4 CONTROLS	8 CONTROLS (OUTLET)
BLACK	COMMON	COMMON
BROWN	1	1 (1)
RED	2	2 (1)
ORANGE	3	3 (2)
YELLOW	4	4 (2)
GREEN	- I	5 (3)
BLUE	<u> </u>	6 (3)
VIOLET		7 (4)
GREY		8 (4)



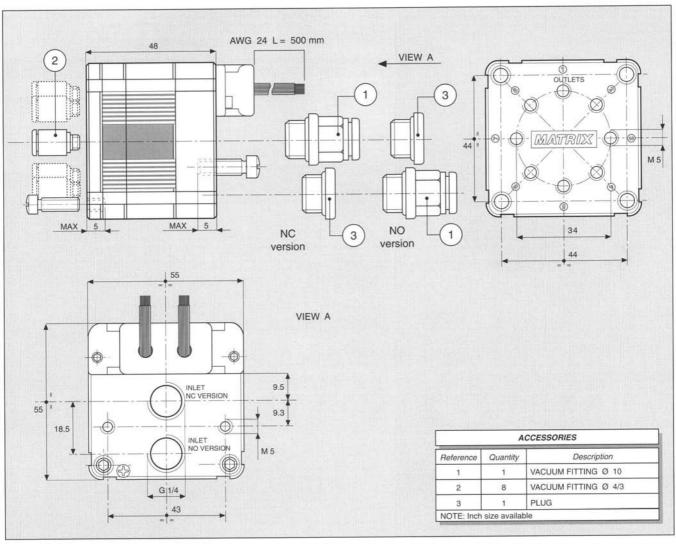


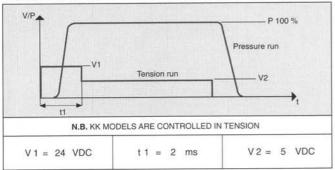


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN OPENING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	350 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62 - IP 65		

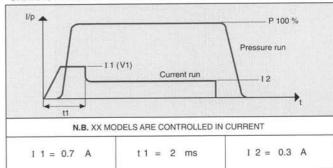








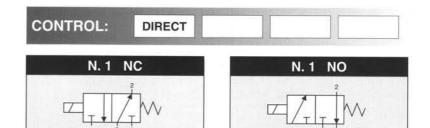
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



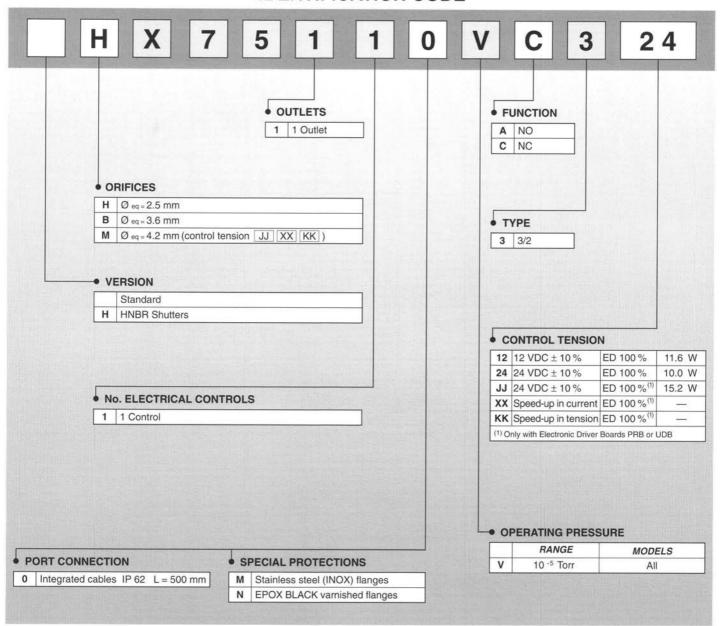
COLOUR	8 CONTROLS
BLACK	COMMON
BROWN	1
RED	2
ORANGE	3
YELLOW	4
GREEN	5
BLUE	6
VIOLET	7
GREY	8



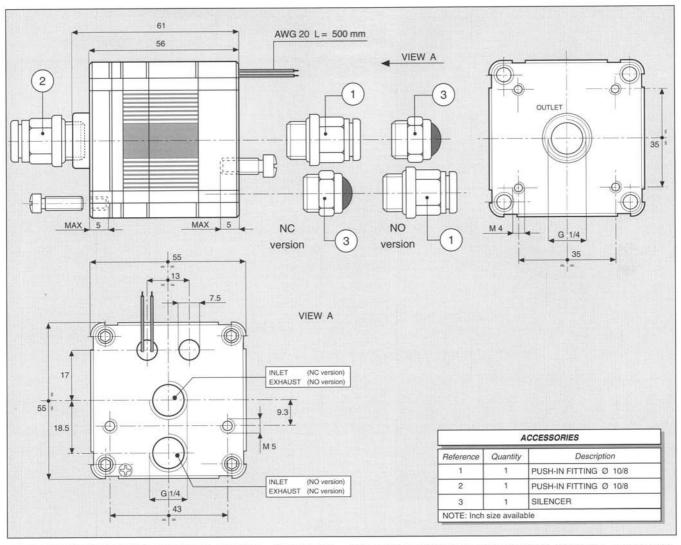


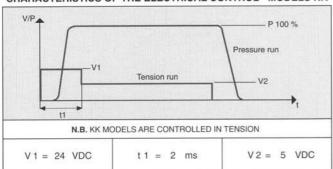


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	380 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IIP 62		

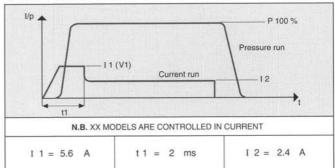








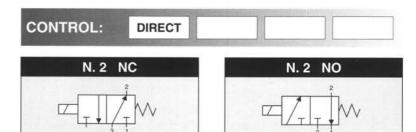
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



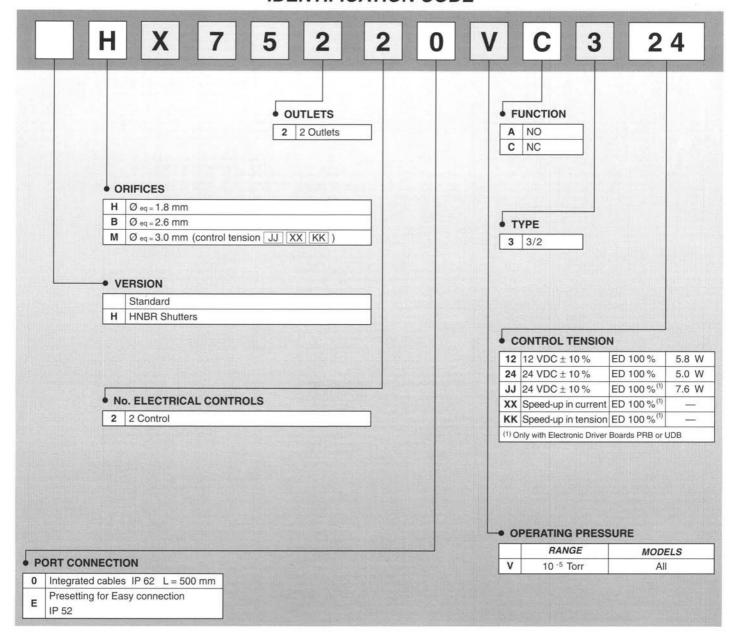
COLOUR	1 CONTROL
BLACK	COMMON
RED	1



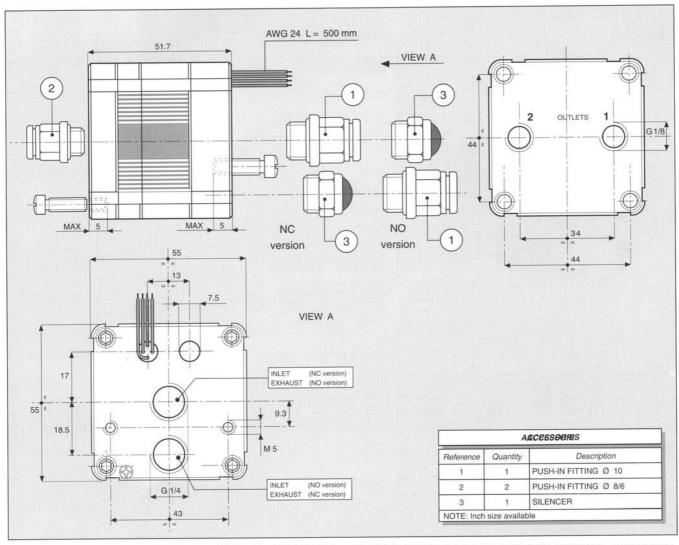


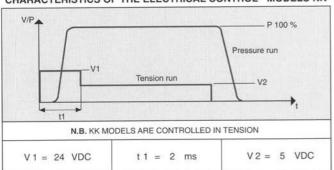


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
RESPONSE TIME IN OPENING	12 / 24 < 7 ms	JJ < 5 ms	XX/KK < 2 ms
RESPONSE TIME IN CLOSING	12 / 24 < 3 ms	JJ < 2 ms	XX/KK < 2 ms
MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	330 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62		

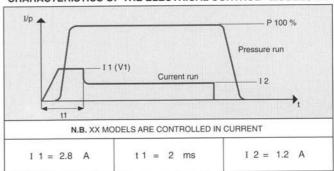








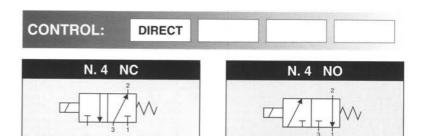
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



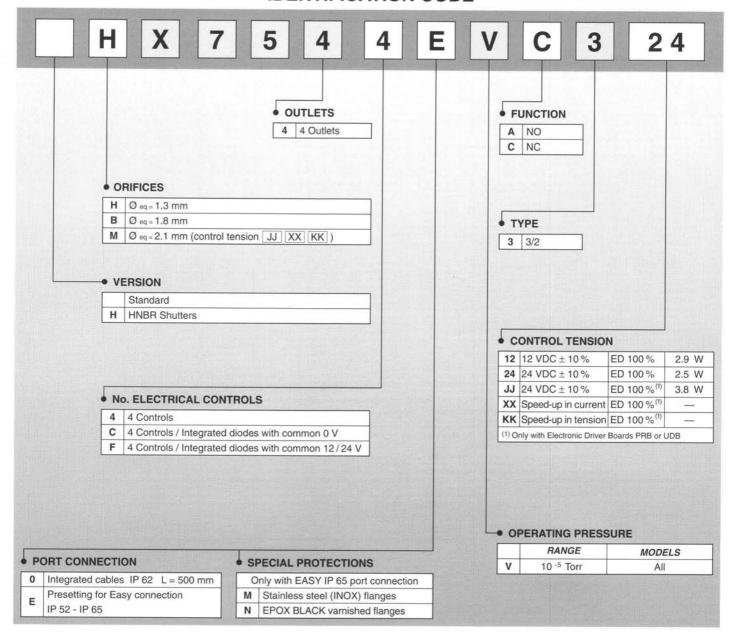
COLOUR	2 CONTROL (SINGLE CABLES)	2 CONTROL EASY CONNECTION IP 52
BLACK	COMMON	COMMON
BROWN	1	1
RED	2	-
ORANGE	-	2



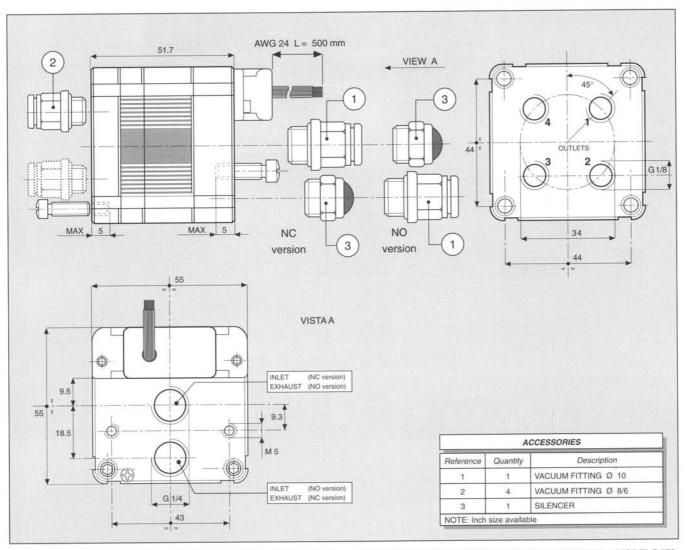


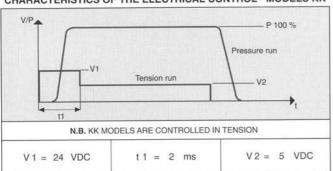


FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C)		
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TEMPERATURE	- 10 + 50°C (Standard version)		
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MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
WEIGHT	340 g		
PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62 - IP 65		

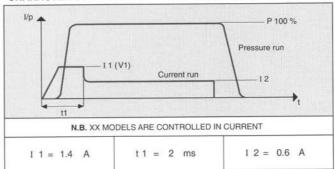






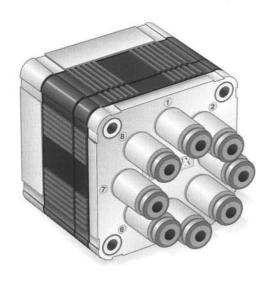


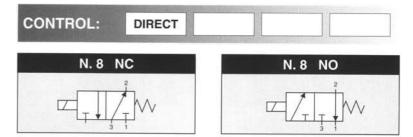
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



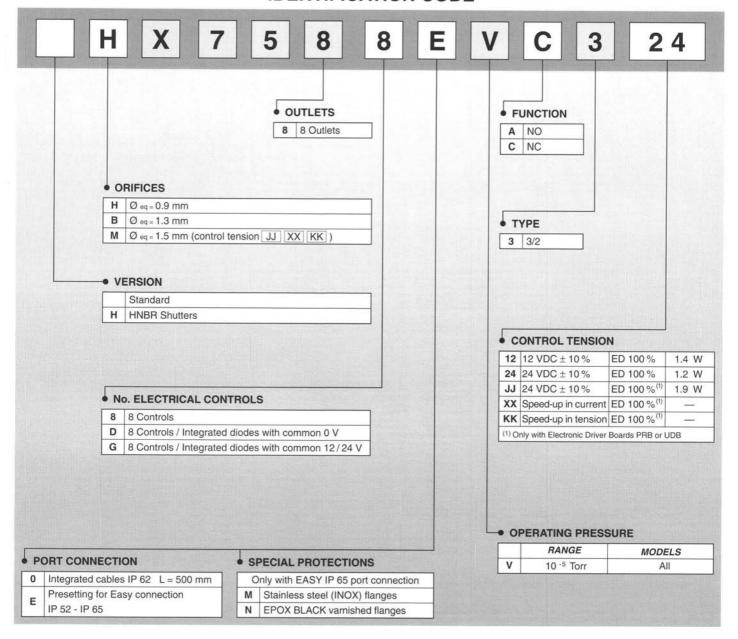
COLOUR	4 CONTROL
BLACK	COMMON
BROWN	1
RED	2
ORANGE	3
YELLOW	4



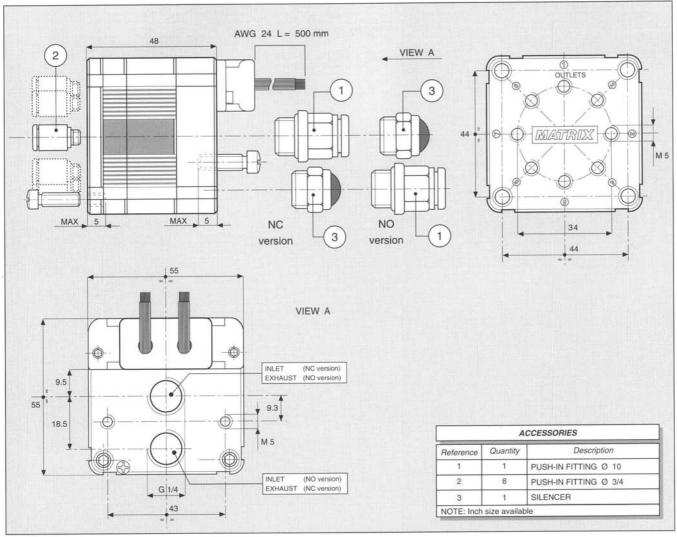




FLUID	Non-lubricated dry air, neutral gases (-10 + 50°C)		
FILTRATION RATING	Min 40 micron		
TEMPERATURE	- 10 + 50°C (Standard version)		
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MAXIMUM FREQUENCY	100 Hz	200 Hz	300 Hz
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PRODUCT LIFE EXPECTANCY	≥ 500 M/s cycles		
IP RATING	IP 52 - IP 62 - IP 65		

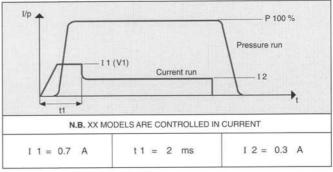






V/P V1 Tension run V2 N.B. KK MODELS ARE CONTROLLED IN TENSION V 1 = 24 VDC t 1 = 2 ms V 2 = 5 VDC

CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS XX



COLOUR	8 CONTROLS	
BLACK	COMMON	
BROWN	1	
RED	2	
ORANGE	3	
YELLOW	4	
GREEN	5	
BLUE	6	
VIOLET	7	
GREY	8	