

SPOOL

for all applications



MIXED

for heavy applications

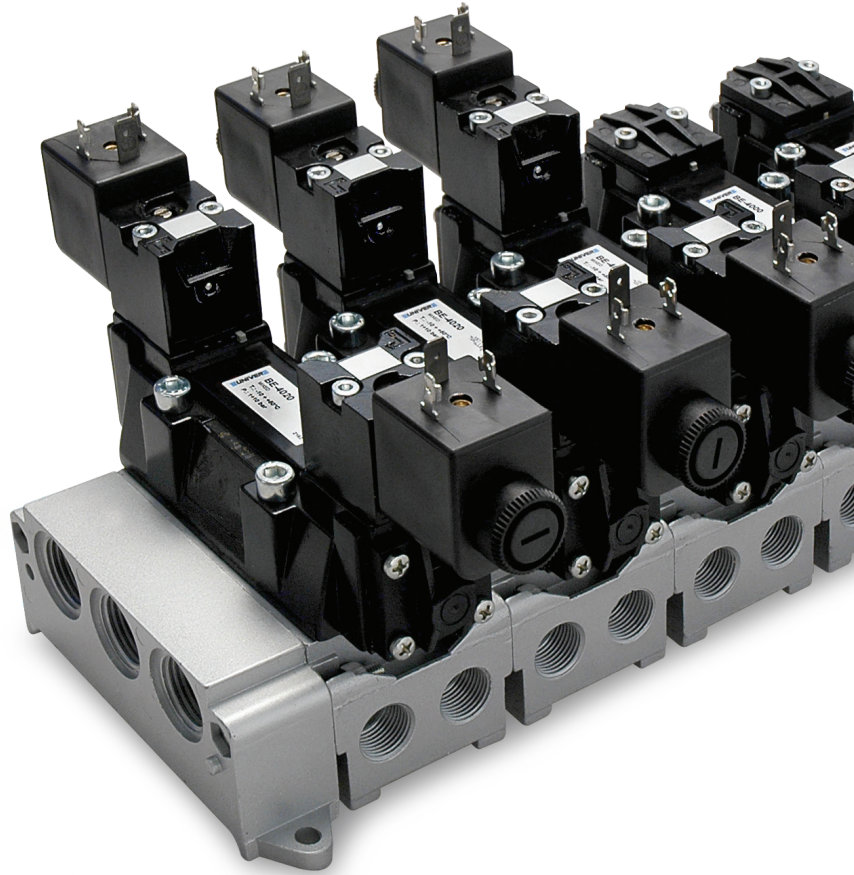


MIXED and SPOOL SYSTEM

Versions with either mixed or spool system available for all series

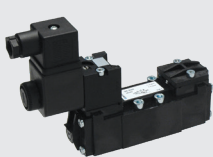
ORIGINAL

Valves and sub-bases UNIVER Original since 1980



BE 3 - ISO 1

1480 NI/min



M12

BE 4 - ISO 2

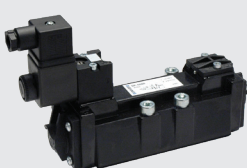
2300 NI/min



M12

BE 5 - ISO 3

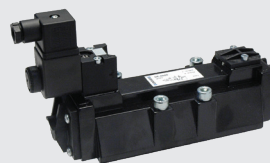
4200 NI/min



M12

BE 6 - ISO 4

6600 NI/min





Reference standard

ATEX
2014/34/UE



Pressure

Max 10 bar (1 MPa)

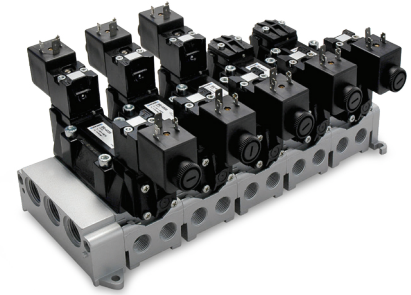


Temperature

- 10 °C
+ 50 °C

CHARACTERISTICS

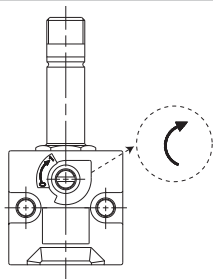
Fluid	50 µm filtered air (mixed system) 50 µm filtered air, with or without lubrication (spool system)
Commutation system	mixed and spool
Connections	interface ISO 5599/1
Valve body	acetalic resin with zamak cover
Seals	NBR and polyurethane (mixed system), NBR (spool system)
Electropilot/Coil	series AA/U3
Power consumption	2,5 W (DC) - 5 VA (AC)
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual override	impulse screw - 2 positions (BE), recessed button - 1 position (BE12)



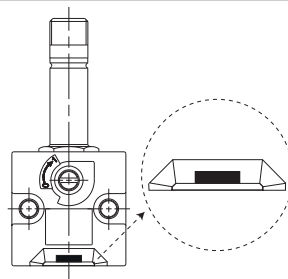
CE II 2Gc IIC T5 II 2Dc T100°C

	size 1	size 2	size 3	size 4
Nominal bore (mm)	8	10	15	19
Nominal flow rate (Nl/min)	1480	2300	4200	6600

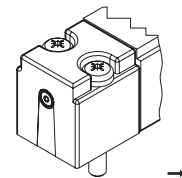
Manual control



Standard for BE
2-position screw



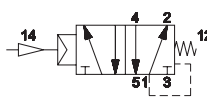
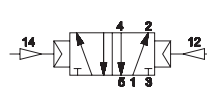
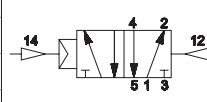
Available on request with code BE...U
1-position button



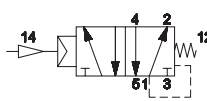
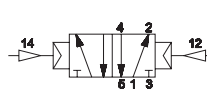
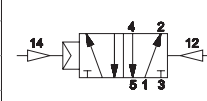
Standard for BE12
1-position button

BE Single/double pneumatic impulse

MIXED SYSTEM

5/2 Pneumomechanical return	ISO	5/2 bistable	ISO	5/2 bistable differential	ISO
	1		1		1
	2		2		2
	3		3		3
	4		4		4

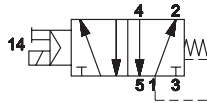
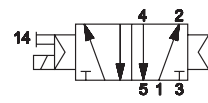
SPOOL SYSTEM

5/2 Pneumomechanical return	ISO	5/2 bistable	ISO	5/2 bistable differential	ISO
	1		1		1
	2		2		2
	3		3		3
	4		4		4

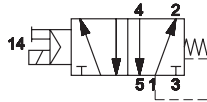
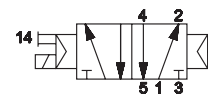


BE Single electrical impulse

MIXED SYSTEM

5/2 Pneumomechanical return	ISO	5/2 Ret. Pneumatic	ISO
	1		1
	2		2
	3		3
	4		4

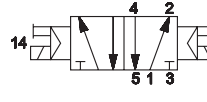
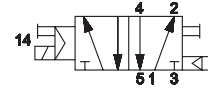
SPOOL SYSTEM

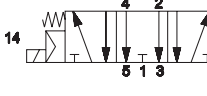
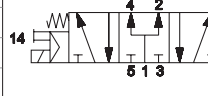
5/2 Pneumomechanical return	ISO	5/2 Ret. Pneumatic	ISO
	1		1
	2		2
	3		3
	4		4



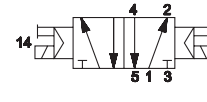
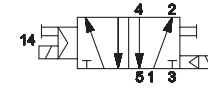
BE12 Single electrical impulse

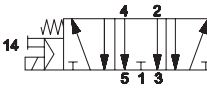
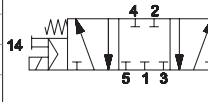
MIXED SYSTEM

5/2 bistable	ISO	5/2 bistable differential	ISO
	1		1
	2		2
	3		3
	4		4

5/3 Centri Aperti	ISO	5/3 Centri in Pressione	ISO
	1		1
	2		2
	3		3
	4		4

SPOOL SYSTEM

5/2 bistable	ISO	5/2 bistable differential	ISO
	1		1
	2		2
	3		3
	4		4

5/3 Open centers	ISO	5/3 Closed centers	ISO
	1		1
	2		2
	3		3
	4		4




* = For Version with manual override contact our sales department.


O.C. = open centers C.C. = closed centres P.C. = centers under pressure


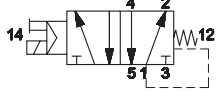
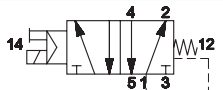
The codes include the 24 V DC coil as standard



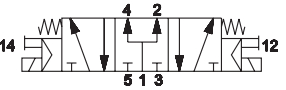
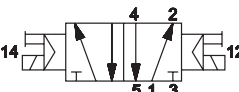
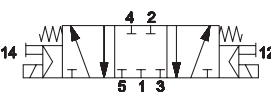
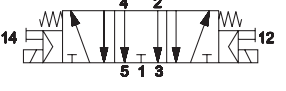
For versions with recessed button 1 position, add suffix U to part number

Solenoid valves are supplied without coil, connector.

Coils U3	Code	Voltage
	DC-0301	12 V DC
	DC-0302	24 V DC
	DC-0307	24V AC - 50/60 Hz
	DC-0309	110V AC - 50/60 Hz
	DC-0310	230V AC - 50/60 Hz


DIN 43650 connector for U3 series coils	Code	IP65 protection rating. PG9 cable connection. 360° rotatable on the coil.
	AM-5111	On request with indicator light.

BE12 Single electrical impulse 24 DC	MIXED SYSTEM	ISO	
	5/2 Pneumomechanical return	ISO	
		BE12-3000	1
		BE12-4000	2
		BE12-5000	3
	SPOOL SYSTEM	ISO	
	5/2 Pneumomechanical return	ISO	
	BE12-3700	1	
	BE12-4700	2	
	BE12-5700	3	

BE12 double impulso elettrico 24 DC	MIXED SYSTEM	ISO				
	5/2	ISO				
		BE12-3020	1			
		BE12-4020	2			
		BE12-5020	3			
	5/3	ISO				
		BE12-3205 P.C.	1			
		BE12-4205 P.C.	2			
		BE12-5205 P.C.	3			
	SPOOL SYSTEM	ISO				
	5/2	ISO	5/3	ISO		
		BE12-3720	1		BE12-3940 C.C.	1
		BE12-4720	2		BE12-4940 C.C.	2
	BE12-5720	3		BE12-5940 C.C.	3	
5/3	ISO					
	BE12-3900 O.C.	1				
	BE12-4900 O.C.	2				
	BE12-5900 O.C.	3				

O.C. = open centers C.C. = closed centres P.C. = centers under pressure



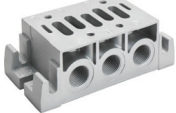

The codes include the 24 V DC coil as standard

U05 15mm Faston coil for BE12 replacement	Code	Connector	Rated voltage		
	DD-052	AM-5109	DC	AC	On request with indicator light
			24 V	-	



For versions with recessed button 1 position, add suffix U to part number

Solenoid valves are supplied without coil, connector.


BE12 Single sub-base, side connections

ISO 1 	BF-1060 G1/8	ISO 2 	BF-1150 G1/4	ISO 3 	BF-3060 G1/2	ISO 4 	BF-4060 G3/4
	BF-1061 G1/4		BF-1151 G3/8		BF-3061 G3/4		BF-4061 G1




Single sub-base, bottom connections

ISO 1 	BF-1062 G1/8	ISO 2 	BF-1152 G1/4
	BF-1063 G1/4		BF-1153 G3/8


Single or Manifold with separated exhausts

ISO 4 	BF-4062 G3/4
	BF-4063 G1



Manifold universal system inlet plate

ISO 1 	BF-1071 G1/8	ISO 2 	BF-1160 G1/4	ISO 3 	BF-3071 G1/2
	BF-1072 G1/4		BF-1161 G3/8		BF-3072 G3/4
	BF-1071S G1/8				
	BF-1072S G1/4				

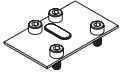
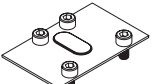
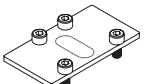

Manifold universal system inlet plate

ISO 1 	BF-1065 G3/8 Upfor connection	ISO 2 	BF-1154 G1/2 Side connections	ISO 3 	BF-3064 G1 Connections In-line
	BF-1066 G3/8 Back connections		BF-1155 G1/2 Back connections		
	BF-1068 G3/8 Connections In-line				

Manifold universal system diaphragm

ISO 1 	BF-1070	ISO 2 	BF-1162
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Accessories

	BF-1085 closing plate for ISO 1 sub-base		BF-1175 closing plate for ISO 2 sub-base 2		BF-3175 closing plate for ISO 3 sub-base 3		BF-3082 universal system plug for ISO 3 sub-base
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BE12 union interfaces

	BF-1190 connecting interface for universal sub-bases size 1 - 2		BF-3190 connecting interface for universal sub-bases size 2 - 3		BF-3191 connecting interface for universal sub-bases size 1 - 3
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Solenoid valves are supplied without coil, connector and locking nuts