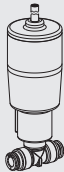
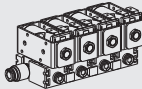
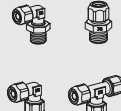
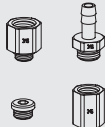


产品总览

自动阀门		
	流量比例阀 公称直径 DN 0.5-3 管径 OD 4 / OD 6 操作压力 up to 8 bar 介质温度 up to 80°C	
	2/2 and 3/2-way MAGMA 电磁阀 type ETV series 100 公称直径 DN 2-4 管径 OD 6 操作压力 up to 16 bar 介质温度 up to 130°C	
	2/2 and 3/2-way MAGMA 电磁阀 type ETV series 200 公称直径 DN 1.5-3 管径 OD 4 / OD 6 操作压力 up to 16 bar 介质温度 up to 130°C	
	2/2-way MAGMA 联座式电磁阀 Type ETV series 200 公称直径 DN 1-2.5 管径 OD 4 / OD 6 操作压力 up to 16 bar 介质温度 up to 130 °C	

传感器		
	电导率传感器 公称直径 DN 4 管径 OD 6 操作压力 up to 16 bar 介质温度 up to 140°C	
	管路内压力传感器 公称直径 DN 2.5-4 管径 OD 4 - OD 6 操作压力 up to 16 bar 介质温度 up to 140°C	
	管路内温度传感器 公称直径 DN 2.5-4 管径 OD 4 / OD 6 操作压力 up to 20 bar 介质温度 up to 135°C	

功能性接头		
	接头 PPSU过滤 公称直径 DN 2.5-4 管径 OD 4 / OD 6 操作压力 up to 16 bar	
	PPSU止逆阀 不锈钢 AISI 316L 公称直径 DN 2.5-4 管径 OD 6 - OD 8 螺纹 G 1/8 - G 1/4 操作压力 up to 16 bar	
	节流阀 PPSU 公称直径 DN 1.5-3 管径 OD 4 / OD 6 操作压力 up to 20 bar	
	截止阀 PPSU 公称直径 DN 2 管径 OD 6 操作压力 up to 16 bar	
	快速接头 PPSU 公称直径 DN 3-4 管径 OD 4 / OD 6 操作压力 up to 12 bar	

接头和周边配备		
	ELSA快速接头 PPSU 管径 OD 4 - 8 螺纹 M5 - G3/8 操作压力 up to 20 bar	
	ELSA快速接头 PVDF 管径 OD 4 - 12 螺纹 M5 - G3/8 操作压力 up to 16 bar	
	ELSA快速接头 不锈钢 AISI 316L 管径 OD 4 - 12 螺纹 M5 - G3/8 R1/8 - R1/2 操作压力 up to 20 bar	
	快速接头 不锈钢 AISI 316L 管径 4,3/3-12/10 螺纹 G1/8 - G1/2 R1/8 - R1/2 操作压力 up to 20 bar	
	接头配备 不锈钢 AISI 316L 螺纹 G1/8 - G1/2 R1/8 - R1/2 操作压力 up to 50 bar	

如需更多资讯、请参阅网址 www.fuangroup.com.cn

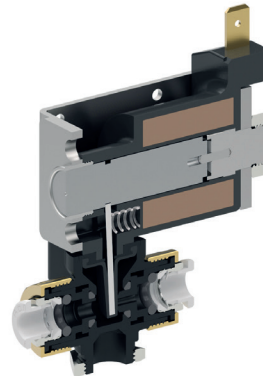
欢迎您的来电咨询 021-2078-6919 邮箱 info@fuangroup.com.cn

MAGMA Solenoid Valve Type ETV Series 100

MAGMA the valve principle from AVS-Römer
Medium separated

医疗级隔离式电磁阀

MEDIUM
SEPARATED



New high quality valve series with coaxial flow or 90° flow, in 2/2- and 3/2-way version, especially for use in the food industries and medical technology.

The solenoid operates against spring force a pivot mounted lever to which a membrane is attached. The interior of the valve is spatially and thermally separated from the solenoid system.

A particularly effective ratio of electric power to flow rate and allowable operating pressure is obtained by the optimisation of lever and spring in conjunction with the low friction transmission.

Other features:

- minimal dead space without dirt pockets
- easily disassembled, e.g. for cleaning
- insensitive to contamination (1.3 mm hub at seat)
- medium is barely heated by the solenoid (no lime formation!)
- emergency manual override with position indicator as standard
- materials and constructional design are particularly suited for food applications

Variations / options:

- other tube connector
- other material for seal
- other nominal diameter or other pressure range
- version for vacuum
- other function (e.g. 3/2-way distribution valve)
- other nominal voltage

CHARACTERISTICS

GENERAL

Constructional design	Lever actuated seat valve with separating membrane		
Product name	2/2-way solenoid valve	3/2-way solenoid valve	3/2-way solenoid valve
Actuation	Electric, direct acting or via emergency manual override with position indicator		
Product type	ETV-12x . -A .	ETV-117-C .	ETV-139-F .
Function	"A" in 0-position closed	"C" in 0-position closed, Outlet "2" vented	Function "F" normally closed (NC) Port 1(A) closed, Port 4(B) open
Nominal diameter	DN 2 to DN 4		
Connection	ELSA push-in connectors for pipe/tube OD 6 (others on request)		
Ambient temperature	0°C to +60°C (others on request)		
Medium temperature	0°C to +130°C (others on request)		
Medium viscosity	up to approx. 35 mm²/s		
Valve body and insert material	Plastic PPA (KTW-, FDA- approved)		
Membrane and O-ring material	FKM (FDA-compliant, EPDM on request)		
Union nut material	bare brass		
Solenoid housing material	Plastic-molded (particularly deformation- and temperature-resistant thermoplastic)		
Mounting method	using lower nut M14x1 (included in the scope of supply)		
Mounting position	optional		
Approval	NSF/ANSI 169		

PNEUMATIC - HYDRAULIC

Nominal pressure [bar]	up to PN 16 in accordance with the specification table
Pressure range	0 bar up to allowable operating pressure OP in accordance with the specification table
Flow rate	Kv-value in accordance with the specification table
Medium	Gases or liquids which do not corrode the materials specified
Response time	Opening time 10 to 25 ms; Closing time: 15 to 25 ms

ELECTRIC

Nominal voltage	24 V DC (other DC upon request)
Voltage tolerance	± 10%
Nominal power P ₂₀	8 W
Duty cycle	100% ED (DB)
Electrical Connection	Spade terminals for spade connectors 6.3 x 0.8 mm, DIN 46247
Protection class	IP 00

3/2-Way Solenoid Valve, Type ETV Series 100

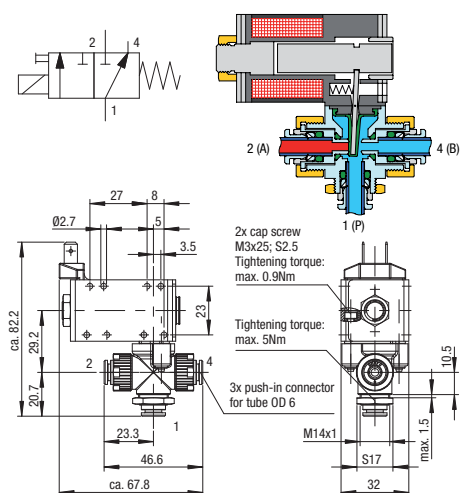
Product group **56**

Function "F" in 0-position
A closed, B open


Plastic FDA-compliant

DN	Kv-value water [l/min]	for tube OD	PN	Allow. OP [bar]	Seal material	Voltage / current	Type	Order number	Price
2	1.7	6	10	0-10	FKM (FDA-compliant)	24 VDC	ETV-139-F20-6FF-024/= -R0	627153	
3	3.3	6	8	0-8	FKM (FDA-compliant)	24 VDC	ETV-139-F30-6FF-024/= -R0	627157	
4	5.3	6	6	0-6	FKM (FDA-compliant)	24 VDC	ETV-139-F40-6FF-024/= -R0	627161	

Illustration

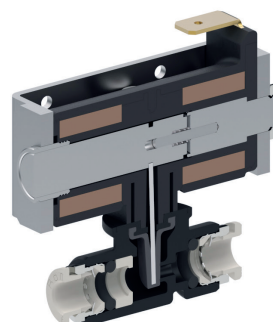




MAGMA Solenoid Valve Type ETV Series 200

MAGMA the valve principle from AVS-Römer
Medium separated

MEDIUM
SEPARATED



High quality valve series with coaxial flow or 90° flow, in 2/2-way and 3/2-way version, especially for use in the food industries and medical technology.

The solenoid operates against spring force a pivot mounted lever to which a membrane is attached. The interior of the valve is spatially and thermally separated from the solenoid system.

A particularly effective ratio of electric power to flow rate and allowable operating pressure is obtained by the optimisation of lever and spring in conjunction with the low friction transmission.

Other features:

- minimal dead space
- easily disassembled, e.g. for cleaning
- insensitive to contamination (1 mm hub at seat)
- thermal insulation between the electro-magnet and the medium (no lime formation!)
- emergency manual override with position indicator as standard
- materials and constructional design especially optimised for food applications

Variations / options:

- other tube connections
- other materials for seal
- other nominal diameters or other pressure ranges
- versions for vacuum
- other nominal voltages

CHARACTERISTICS

GENERAL

Constructional design	Lever actuated seat valve with separating membrane			
Product name	2/2-way solenoid valve		3/2-way solenoid valve	
Actuation	Electric, direct acting or by emergency manual override with position indicator			
Product type	ETV-222 -A .	ETV-211 -B .	ETV-217 -C .	ETV-219 -F .
Function	“A” in 0-position closed	“B” in 0-position open	“C” in 0-position closed, Outlet “2” vented	Function “F” normally closed (NC) Port 1(A) closed, Port 4(B) open
Nominal diameter	DN 1.5 to DN 2.5	DN 1.5 to DN 2.5	DN 1.5 to DN 3	DN 1.5 to DN 3
Connection	ELSA push-in connectors for pipe/tube OD 6 or OD 4			
Ambient temperature	0°C to +60°C			
Medium temperature	0°C to +130°C			
Medium viscosity	up to approx. 35 mm²/s			
Valve body and insert material	PPA and PPSU (KTW-approved, NSF-certified)			
Membrane Material	EPDM or FKM (both FDA-compliant)			
O-ring material	FKM (FDA-compliant) or EPDM (KTW-approved, NSF-certified)			
Solenoid housing material	PPS (UL94-V0) plastic, insulation class “F” (155°C)			
Mounting method	with 2 thread press-fit inserts M3 or self-tapping screws ISO7049-ST3.5x6.5-C			
Mounting position	optional			
Approval	NSF/ANSI 169			
PNEUMATIC - HYDRAULIC				
Nominal pressure	up to PN 16 in accordance with the specification table			
Pressure range	0 bar up to allowable operating pressure OP in accordance with the specification table depending on duty, OP 50% duty is valid at max. SD 60 s			
Flow rate	Kv-value in accordance with the specification table			
Medium	Gases or liquids which do not corrode the materials specified			
Response time	Opening time 10 to 25 ms; Closing time: 10 to 25 ms			
ELECTRIC				
Nominal voltage	24 V DC			
Voltage tolerance	± 10%			
Nominal power P ₂₀	6 W			
Duty cycle	100% ED (DB), depending on the duty cycle the power consumption decreases by up to 30%			
Electrical Connection	Spade terminals for spade connectors 6.3 x 0.8mm, DIN 46247			
Protection class according to EN 60529	IP 00			

3/2-Way Coaxial Solenoid Valve, Type ETV Series 200

Product group **56**

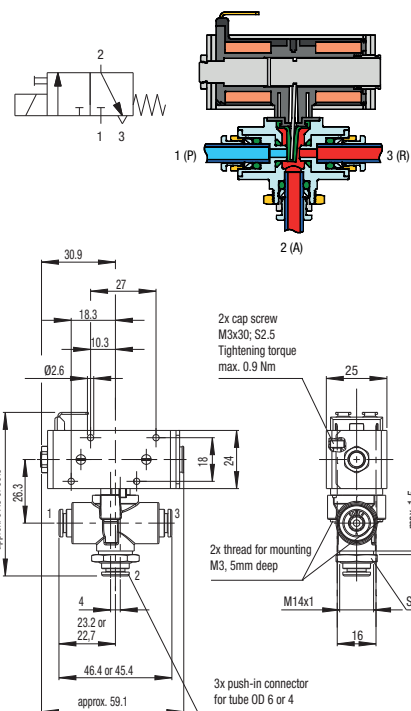
Function "C" normally closed (NC) Port 1(P) closed,
Port 2(A) discharged



Plastic FDA-compliant

DN	Kv-value water [l/min]	for tube OD	PN	Al- low. OP [bar]	Allow. OP by 50% duty [bar]	Allow. OP by 100% duty [bar]	Seal mate- rial	Voltage / current	Type	Order number	Price
1.5	1.4	4	6	6	6	6	EPDM	24 VDC	ETV-217-C15-4PF-024/= -U0	627421	o. r.
1.5	1.5	6	6	6	6	6	EPDM	24 VDC	ETV-217-C15-6PF-024/= -U0	627424	o. r.
2	1.5	4	5	5	5	5	EPDM	24 VDC	ETV-217-C20-4PF-024/= -U0	627427	o. r.
2	1.8	6	5	5	5	5	EPDM	24 VDC	ETV-217-C20-6PF-024/= -U0	627430	o. r.
3	1.7	4	2	2	2	2	EPDM	24 VDC	ETV-217-C30-4PF-024/= -U0	627433	o. r.
3	2.5	6	2	2	2	2	EPDM	24 VDC	ETV-217-C30-6PF-024/= -U0	627436	o. r.
1.5	1.4	4	6	6	6	6	FKM	24 VDC	ETV-217-C15-4FF-024/= -U0	627422	o. r.
1.5	1.5	6	6	6	6	6	FKM	24 VDC	ETV-217-C15-6FF-024/= -U0	627425	o. r.
2	1.5	4	5	5	5	5	FKM	24 VDC	ETV-217-C20-4FF-024/= -U0	627428	o. r.
2	1.8	6	5	5	5	5	FKM	24 VDC	ETV-217-C20-6FF-024/= -U0	627431	o. r.
3	1.7	4	2	2	2	2	FKM	24 VDC	ETV-217-C30-4FF-024/= -U0	627434	o. r.
3	2.5	6	2	2	2	2	FKM	24 VDC	ETV-217-C30-6FF-024/= -U0	627437	o. r.

Illustration



3/2-Way Coaxial Solenoid Valve, Type ETV Series 200

Product group **56**

Function "F" normally closed (NC)
Port 1(A) closed, Port 4(B) open



**Plastic
FDA-compliant**

DN	Kv-value water [l/min]	for tube OD	PN	Al- low. OP [bar]	Allow. OP by 50% duty [bar]	Allow. OP by 100% duty [bar]	Seal mate- rial	Voltage / current	Type	Order number	Price
1.5	1.4	4	12.5	12.5	12.5	6	EPDM	24 VDC	ETV-219-F15-4PF-024/= -U0	627451	o. r.
1.5	1.5	6	12.5	12.5	12.5	6	EPDM	24 VDC	ETV-219-F15-6PF-024/= -U0	627454	o. r.
2	1.6	4	10	10	10	6	EPDM	24 VDC	ETV-219-F20-4PF-024/= -U0	627457	o. r.
2	1.8	6	10	10	10	6	EPDM	24 VDC	ETV-219-F20-6PF-024/= -U0	627460	o. r.
3	1.8	4	4	4	4	3	EPDM	24 VDC	ETV-219-F30-4PF-024/= -U0	627463	o. r.
3	2.8	6	4	4	4	3	EPDM	24 VDC	ETV-219-F30-6PF-024/= -U0	627466	o. r.
1.5	1.4	4	12.5	12.5	12.5	6	FKM	24 VDC	ETV-219-F15-4FF-024/= -U0	627452	o. r.
1.5	1.5	6	12.5	12.5	12.5	6	FKM	24 VDC	ETV-219-F15-6FF-024/= -U0	627455	o. r.
2	1.6	4	10	10	10	6	FKM	24 VDC	ETV-219-F20-4FF-024/= -U0	627458	o. r.
2	1.8	6	10	10	10	6	FKM	24 VDC	ETV-219-F20-6FF-024/= -U0	627461	o. r.
3	1.8	4	4	4	4	3	FKM	24 VDC	ETV-219-F30-4FF-024/= -U0	627464	o. r.
3	2.8	6	4	4	4	3	FKM	24 VDC	ETV-219-F30-6FF-024/= -U0	627467	o. r.

Illustration

