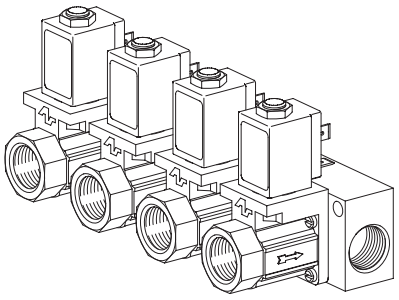
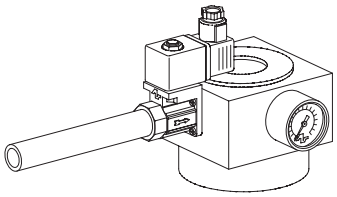
GAMMA Valves Series 300



Especially small-construction valve series DN 13 (G 1/2), 32 mm wide, for the most varied of applications in mechanical and apparatus construction. The narrow constructional design enables extremely high pack density.

Dirt particles in the medium can lead to malfunction in the valves. The installation of a strainer is thus to be recommended, e.g. Type SMF-133...



Valve batteries up to 10-fold with various overrideal and functional applications as standard. The structural combination especially of various Types of valve, sensors and such like in multi-functional blocks creates significant advantages:

- saving of assembly time (pipework expenditure reduced by up to 85 %)
- saving of fittings
- enormous saving of construction space

Intermediumte flange and flange-mount valves are directly flange-mounted on pressure-bearing mechanical and apparatus components.

CHARACTERISTICS

GENERAL

Constructional design	low noise membrane valve with coaxial flow				
Product name	2/2-way solenoid valve servo controlled	2/2-way solenoid valve with pressure regulator servo controlled	2/2-way valve pressure operated by external or own medium	Hand-adjustable pressure regulator valve servo controlled	Valve batteries (all variants)
Product type	EGV	EGR	PGV	RGV	all previously named
Nominal diameter	DN 13				
Port size	Thread (ISO 228) G 1/2				
Ambient temperature	-20 °C to +60 °C (others on request)				
Medium temperature	for NBR: -10 °C to +90 °C for FKM and EPDM: -10 °C to +130 °C (for exceptions see table)				
Medium viscosity	up to ca. 20 mm^2/s				
Valve body material	Ms				
Membrane support unit material	reinforced synthetic material (others on request)				
Other internal component material	Stainless steel and non-ferrous metal				
Seal material	NBR (nitrile rubber), EPDM (ethylene propylene) or FKM (fluoride rubber) (others on request)				
Mounting method	Installation in rigid pipe system				
Mounting position	optional, preferably upright				

PNEUMATIC - HYDRAULIC

Nominal pressure (bar)	according to Type table. The numerical value of the nominal pressure PN signifies the Permitted Operating Pressure OP in bar at 60°C ambient temperature and 60°C medium temperature. Insofar as two values are given, the first value refers to solenoid coil with highest electrical power consumption, the second value to that with lowest power consumption.
Pressure range	0.3 bar up to permitted operating pressure OP according to table. 0 to 16 bar version is also possible for Type EGV function “Z” and Type PGV
Flow rate	Kv-value according to Type table (full flow with pressure difference of 0.5 bar or higher)
Medium	gaseous or fluids Sealing material NBR: e.g. compressed air, water, hydraulic fluids, neutral gases Sealing material EPDM: e.g. hot water Sealing material FKM: e.g. solvents, hot water, hot air above 90°C
Response time	Opening time: 20 ms to 1 s; closing time: 25 ms to 3 s, according to flow medium
Electric	see solenoid coils