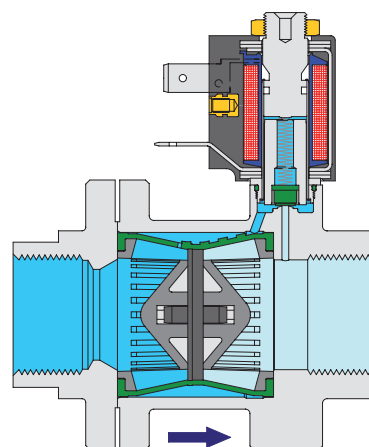


GAMMA Valves Series 700 Stainless Steel AISI 303 (1.4305)

Robust valve series DN 15 (G 1/2) to DN 50 (G 2) for various aggressive flow media



Rapid technological development in mechanical and apparatus construction requires ever more stainless steel valves made from the most varied of materials and connectors. The coaxial gate unit, the centrepiece of AVS Römer GAMMA valves, also permits cost reduction here. In material and form various valve bodies and connector

components can be manufactured very economically using rods with relatively low material expenditure. Dirt particles in the flow medium can lead to malfunction in the solenoid valves. The installation of a strainer with mesh width 0.25 mm is thus to be recommended.

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 pressure operated	2/2-way valve pressure operated by external or own medium
Product type	EGV	EGV	PGV
Function	"A" normally closed	"Z" normally closed	"B" normally open
Nominal diameter	DN 15 to DN 50		
Connection	Thread (ISO 228) G 1/2 to G 2 (other connectors on request)		
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	Stainless steel 1,4305 (others on request)		
Membrane support unit material	reinforced plastic		
Other internal component material	Stainless steel		
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 excess 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	0.2 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 which do not corrode the materials specified		
Response time	Opening time: 20 ms to 1 s; closing time: 25 ms to 3 s, according to flow medium		
Electric	see under solenoid coils		