

GEM-FLOW™ | G500

4" Hydraulic Valves

Typical Applications

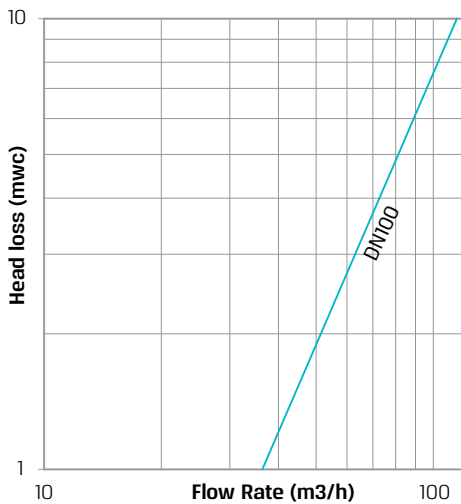
- Agricultural irrigation
- Landscaping applications
- Greenhouse applications
- Mining process
- Industrial process

Technical Data

General Specifications	
Pressure range	0.7-10 bar / 9-145 Psi
Temperature range	-10°C to 80°C (no freezing)
Valve size	4" (100 mm)
Material Properties	
Body Cover	PA GFR
Diaphragm	NR
Spring thrust ring	PA GFR
Spring	Stainless Steel AISI 302
Bolts	Stainless Steel A2
Flange, Flange adaptor	PA GFR
Threaded adaptor	PA GFR
O-rings	NBR
Connection	
Flanged	ISO, ANSI
Threaded	BSP, NPT



Head Loss Chart

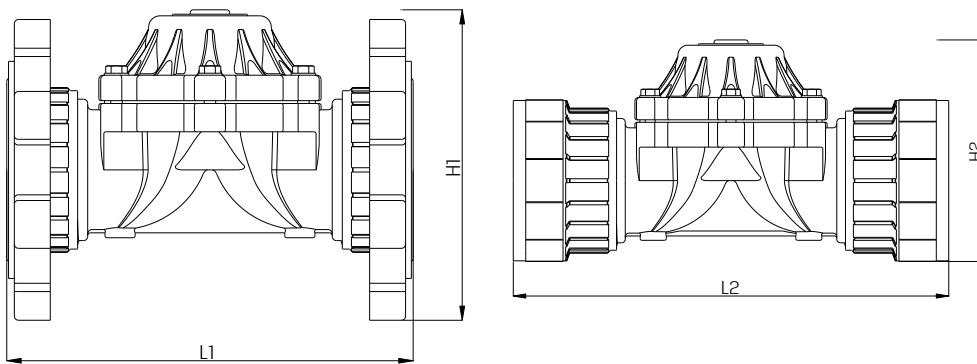


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Hydraulic Specifications

Maximum continuous flow	100 m ³ /h
Maximum intermittent flow	145 m ³ /h
Minimum working pressure	0.7 bar
Maximum working pressure	10 bar
Kv	115 m ³ /h @ 1 bar

Dimensions



L1	280 mm
L2	350 mm
H1	220 mm
H2	180 mm
W1	213 mm
W2	172 mm
Port Connections	1/4" BSP, 1/4" NPT
Weight (Flange type)	2.6 kg
Weight (Threaded type)	1.9 kg

Available Applications

Basic valve	B
Manual control valve	M
Solenoid control valve	EL
Electric control valve + control device (1 outlet)	EL/C
Pressure reducing control valve	PR
Solenoid controlled pressure reducing valve	PREL
Pressure reducing & sustaining control valve	PRPS
Quick pressure relief control valve	QR
Pressure sustaining valve	PS
Float level control valve	FL
Electric float level control valve	FLEL
Flow rate control valve	FR