

V1000 Control Valves



Rivulis V1000 Control Valves

Ideal for small farms and landscape applications

The Economical Choice for Small Scale Irrigation Systems

Features:

- Glass-filled Nylon Construction
- Manual/Electric
- Manual Throttling
- 2-Way Internal or 3-Way External
- Full Bore Seat

Benefits:

- All of the Rivulis V1000 Control Valves are designed with a manual throttling knob to provide extra flexibility to control pressure and flow
- The valve body cover and diaphragm piston assembly are constructed of glass-filled nylon to be durable in tough conditions
- The valve body design includes a full-bore seat with an unobstructed flow path, providing low head loss in high flow conditions
- The electric valve control circuit is internal (2-way circuit) providing significant benefits such as no external tubes or accessories



Where to Use

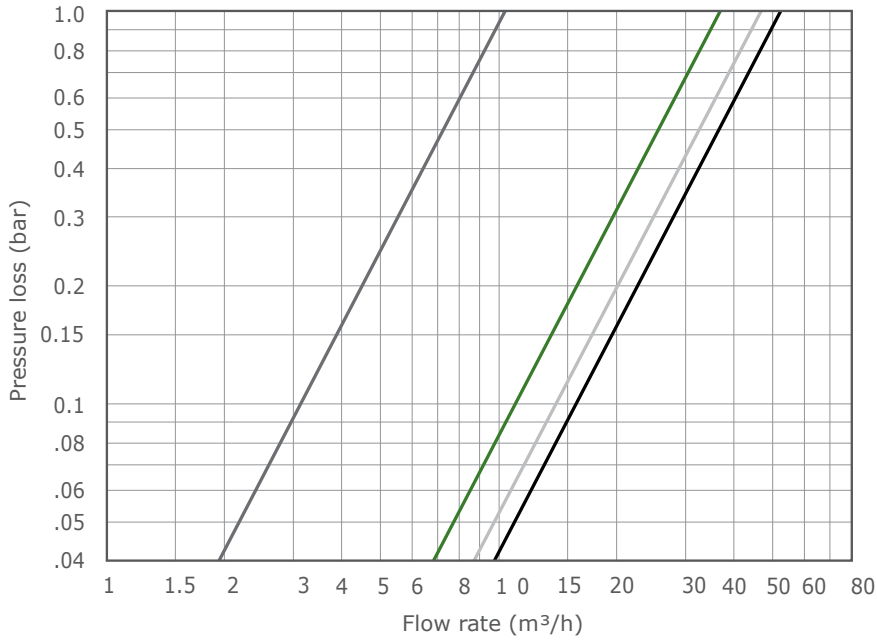
The Rivulis V1000 Control Valve can be used to operate blocks with flows up to 25 cubic meters per hour.

The economical choice for residential, commercial, and small agricultural irrigation systems

Valve Configuration Options

Valve Function	Actuation					Pilot	
	Manual	24v AC	9v DC	Hydraulic	Throttling	Low Pressure (2/3- Way)	Medium Pressure (3- Way)
On/Off	●	●	●	●			●
Pressure Reducing	●	●	●	●			●
Quick Relief							

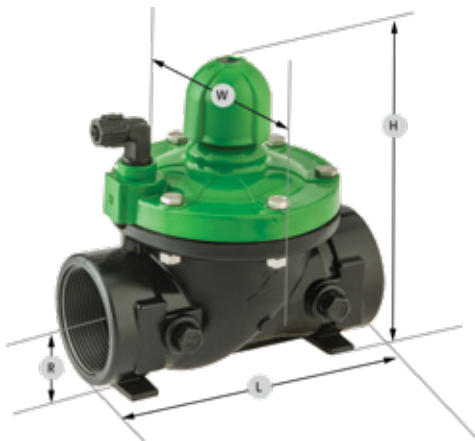
Flow Chart



Note: Added Head loss for 2-Way circuit (for "V" below 2 m/s): 0.3 bar

Dimensions and Weights

p	1" In-Line (25 mm)	1½" In-Line (40 mm)	2" In-Line (50 mm)	2" Angle (50 mm)
	mm	mm	mm	mm
L	110	160	170	85
H	115	180	190	210
R	22	35	38	60
W	78	125	125	125
Weight (kg)	0.35	1	1.1	0.91



In-Line



Angle

Product List

Rivulis V1000 Hydraulic Control Valve | Body

Line	Description	Size	Body	Control Circuit	Connection	Product Number
V1000	Body	1	In-Line	3W	BSP	WT12191
V1000	Body	1½	In-Line	3W	BSP	WT12195
V1000	Body	2	Angle	3W	BSP	WT12197
V1000	Body	2	In-Line	3W	BSP	WT12193

Rivulis V1000 Hydraulic Control Valve | Manual

Line	Description	Size	Body	Control Circuit	Features	Connection	Product Number
V1000	Manual	1	In-Line	3W	Manual Selector	BSP	WT12199
V1000	Manual	1½	In-Line	3W	Manual Selector	BSP	WT12203
V1000	Manual	2	Angle	3W	Manual Selector	BSP	WT12201
V1000	Manual	2	In-Line	3W	Manual Selector	BSP	WT12205

Rivulis V1000 Hydraulic Control Valve | On/Off Electric

Line	Description	Size	Body	Control Circuit	Features	Connection	Product Number
V1000	Electric	1	In-Line	2W	Solenoid - 24V AC	BSP	WT12206
V1000	Electric	1½	In-Line	2W	Solenoid - 24V AC	BSP	WT12208
V1000	Electric	2	Angle	2W	Solenoid - 24V AC	BSP	WT12212
V1000	Electric	2	In-Line	2W	Solenoid - 24V AC	BSP	WT12210
V1000	Electric, Latch	1	In-Line	2W	9VDC Latch - 2 Leads	BSP	WT12214
V1000	Electric, Latch	1½	In-Line	2W	9VDC Latch - 2 Leads	BSP	WT12216
V1000	Electric, Latch	2	Angle	2W	9VDC Latch - 2 Leads	BSP	WT12220
V1000	Electric, Latch	2	In-Line	2W	9VDC Latch - 2 Leads	BSP	WT12218

Rivulis V1000 Hydraulic Control Valve | Pressure Reducing Manual

Line	Description	Size	Body	Control Circuit	Spring Rating	Features	Connection	Product Number
V1000	Pressure Reducing, Manual	1½	In-Line	3W	0.8 - 6.5	Manual Selector	BSP	WT12223
V1000	Pressure Reducing, Manual	2	Angle	3W	0.8 - 6.5	Manual Selector	BSP	WT12227
V1000	Pressure Reducing, Manual	2	In-Line	3W	0.8 - 6.5	Manual Selector	BSP	WT12225

Rivulis V1000 Hydraulic Control Valve | Pressure Reducing (RP-electric)

Line	Description	Size	Body	Control Circuit	Features	Connection	Product Number
V1000	Pressure Reducing, Electric, NC	1½	In-Line	3W	Solenoid - 24V AC	BSP	WT12229
V1000	Pressure Reducing, Electric, NC	2	In-Line	3W	Solenoid - 24V AC	BSP	WT12231
V1000	Pressure Reducing, Electric, NC	2	Angle	3W	Solenoid - 24V AC	BSP	WT12233

*Manual override switch included with electric valves

Note: All Pilots are plastic and are normally closed.

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