



Gator Hydraulic Control Valves W Series

Gator Valves are weir type single chamber valves, designed with simplicity in mind and not compromising on operational versatility.

Tried and tested mechanical materials and engineering design concepts have been introduced into the product, making it both durable and reliable in performance.

This range of valves can be used in industrial, waterworks and irrigation applications.

Gator Valves operate using the available pressure within the pipeline or an external pressure supply of air or water, provided this pressure is equal to or greater than the pressure within the pipeline in which the control valve is installed.

To close the valve, water or air pressure is induced into the upper chamber forcing the diaphragm to close against the weir within the valve and thereby stopping the flow of the liquid or gas within the pipeline.

To open the valve, the water or air trapped within the upper chamber is released into atmosphere or into the downstream of the valve, through the pipeline.

By incorporating other control mechanisms, such as a pilot valve, the valve can be adapted to **regulate** flow and pressure without being fully closed or fully open. The valves diaphragm is the only moving part and is assisted to close under all pressures with the aid of a spring.

Features:

- Sound hydraulic performance with improved flow dynamics resulting in a quiet and smooth water flow during operation
- Minimum head loss and low pressure required to operate the valve
- Manufactured from durable and rugged raw materials along with minimal moving parts, provides years of reliable service
- Versatile and adaptable for almost any operating application
- Numerous operating functions such as: Manual, Electrical, Pressure Reducing, Pressure Sustaining, Remote Control as well as hundreds of other control combinations
- Suitable to handle various types of different liquids including, slurries and abrasive liquids
- Available in several configurations and end connections



Operating Parameters	
Minimum Opening Pressure	70 KPA
Maximum Operating Pressure	1,600 KPA
Maximum Operating Temperature (H2O)	70 Degrees Celsius
Recommended Maximum Pressure Reduction Ratio	3:1
Recommended Flow Velocity Parameters	from 0.5m/sec up to 5m/sec
Maximum Recommended Flow Velocity	15m/sec for a maximum of 60 seconds

Materials	
Body and Bonnet	Cast Iron
Diaphragm	Reinforced Natural Rubber
Spring	Stainless Steel
Spring Retainer Disk	Glass Reinforced Nylon
Nuts and Washers	Stainless Steel
Coatings	Fusion Bonded Polyester Powder Coated

General Specifications	
End Connections	Threaded Female BSP
	Flanged Table D
Control Ports - all	1/4" Threaded Female BSP
Mechanical Throttle Mounting Port—Centre of Valve Bonnet	1/4" Threaded Female BSP DN 25,40,50,80,80/65/80
	1/2" Threaded Female BSP DN80,100,150,200/150/200

FEMALE THREADED BSP INLINE VALVE	HR CODE
25MM VALVE WITH FINGER FILTER	G8V25GB
40MM VALVE WITH FINGER FILTER	G8V40BG
50MM VALVE WITH FINGER FILTER	G8V50BG
80/65/80MM VALVE WITH FINGER FILTER	G8V806580BG
80MM VALVE WITH FINGER FILTER	G8V80BG



25MM VALVE SHOWN WITH 3 WAY SAGIV AND THROTTLE

FEMALE THREADED BSP ANGLE VALVE	HR CODE
50MM VALVE WITH FINGER FILTER	G8V50BA
80/65/80MM VALVE WITH FINGER FILTER	G8V806580BA
80MM VALVE WITH FINGER FILTER	G8V80BA



50MM VALVE SHOWN WITH 3 WAY SAGIV AND THROTTLE

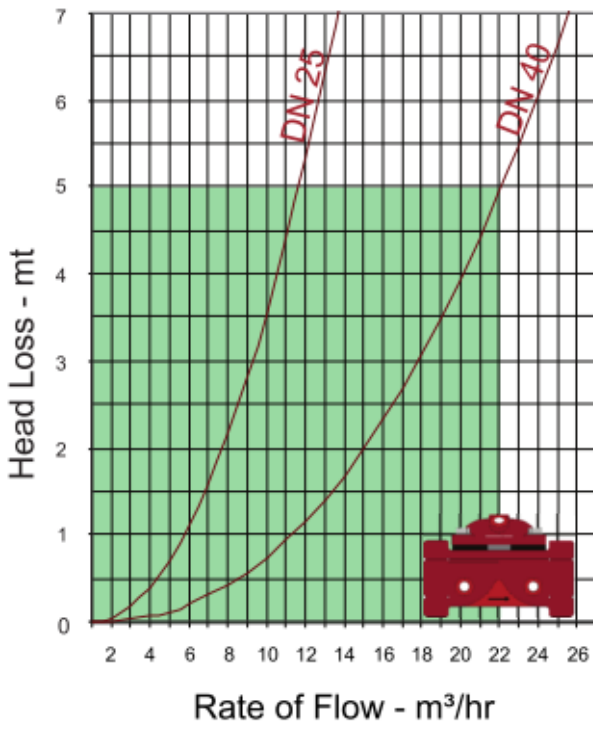
FLANGED TABLE D INLINE VALVE	HR CODE
50MM VALVE WITH FINGER FILTER	G8V50FG
80MM VALVE WITH FINGER FILTER	G8V80FG
100MM VALVE WITH FINGER FILTER	G8V100FG
150MM VALVE WITH FINGER FILTER	G8V150FG
200/150/200 VALVE WITH FINGER FILTER	G8V200150200FG



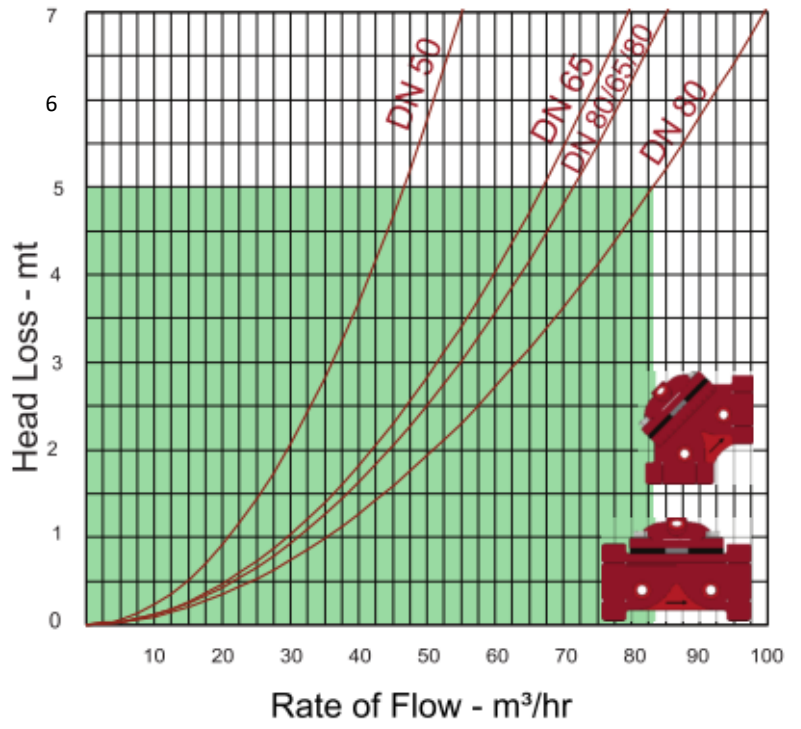
80MM BASIC VALVE NO CONTROL

Head Loss Charts

Threaded Inline Valves



Threaded Inline & Angle Valves



Flanged Inline Valves

