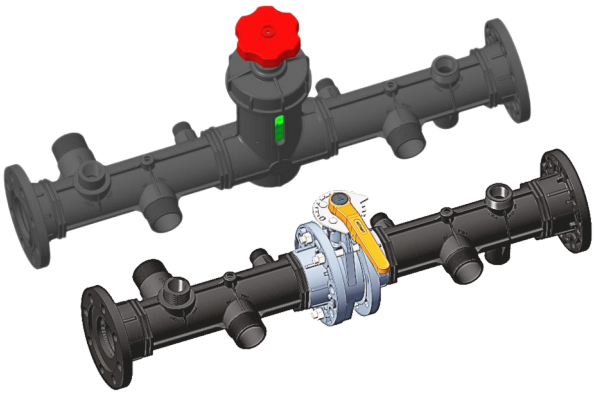
Head Unit

2" & 3"

The Head Unit is an essential component for efficient irrigation management, offering a variety of manifold sizes (2” and 3”) to suit diverse applications. Designed for flexibility, these units feature multiple combinations of ball valves and butterfly valves to ensure precise control over water flow and pressure in your irrigation system.



HIGHLIGHTS

- **Versatile Sizing:** Available in 2” and 3” sizes to accommodate different pipeline specifications.
- **Multiple Valve Combinations:** Incorporates a mix of ball valves, butterfly valves, throttle valves providing optimal control for various irrigation scenarios.
- **Easy Installation:** Engineered for straightforward setup, allowing quick integration into existing systems.
- **Durable Construction:** Made from high-quality materials that ensure longevity and reliable performance in various environmental conditions.
- **Enhanced Flow Control:** Allows for precise adjustments in water flow, improving irrigation efficiency and reducing waste.
- **User-Friendly Design:** Simplifies operation and maintenance, making it suitable for Agriculture use.

APPLICATIONS

- **Agricultural Irrigation:** Ideal for controlling water distribution in large agricultural fields.
- **Landscape Irrigation:** Perfect for managing irrigation in residential and commercial landscaping projects.



Technical Data - 2"

S.No.	Specifications	Head Unit With Throttle Valve	Head Unit with Butterfly Valve
1	Nominal Size, mm (inch)	50mm (2")	
2	Max. Operating pressure	6 kg/cm^2	8 kg/cm^2
3	Connection type	Flanged End Connection as per BS 10 Table D	
4	Material of Construction	PPGF	PPGF/PVC
5	Maximum Flow Recommended	25 m^3/hr	
6	Head Unit :Total Length (End to End)	627mm	635mm
7	Head Unit : Total Width	166mm	166mm
8	Head Unit : Total Height	311mm	250mm
9	Injector Port Size:	¾" male port	
10	By pass connection size	1½" male	
11	Injector Port Centre distance	252.5mm	257mm
12	Pressure Gauge Ports	2 nos.	
13	Pressure Gauge Port Size	¼" Female threaded	
14	Airvent Port connection Size	1" Female & 1½" Male threaded	
15	Complete assembly Weight	2.54kg	3.97 kg
16	Leakage Test @ 6kg/cm^2	Throttle valve tested as per ANSI/ FCI-70-2-2006 Class IV, leakage allowed 0.1%	No leakage from valve, when fully closed position.
17	Pressure Drop		

Technical Data - 3"

S.No.	Specifications	Head Unit With Throttle Valve	Head Unit with Butterfly Valve
1	Nominal Size, mm (inch)	80mm (3")	
2	Max. Operating pressure	6 kg/cm^2	8 kg/cm^2
3	Connection type	Universal Flanged End compatible with all flange standards	
4	Material of Construction	PPGF	PPGF/PVC
5	Maximum Flow Recommended	50 m^3/hr	
6	Head Unit :Total Length (End to End)	910mm	880mm
7	Head Unit : Total Width	240mm	240mm
8	Head Unit : Total Height	425mm	285mm
9	Injector Port Size	2" & ¾"	
10	Injector Port Centre distance of ¾" injector port	260mm	230mm
11	Injector Port Centre distance of 2" injector port	467mm	415mm
12	By pass connection	2" male	
13	Pressure Gauge Ports	2 nos.	
14	Pressure Gauge Port Size	¼" Female threaded	
15	Pressure Release Valve port	2" male	
16	Airvent Port connection Size	1" Female & 1½" Male threaded	
17	Complete assembly Weight	5.84kg	6.13kg
18	Leakage Test @ 6kg/cm^2	Throttle valve tested as per ANSI/FCI-70-2-2006 Class IV, leakage allowed 0.1%	No leakage from valve, when fully closed position.
19	Pressure Drop		