

VALVES AND WATER CONTROL

Irrigation Hydrants

PRODUCT OVERVIEW

An agricultural irrigation hydrant measures pressure, flow rate and water volume, and limits water flow at field draw-off points supplied through closed pipelines by pressurised irrigation systems.



TECHNICAL SPECIFICATIONS

Functions	Flow measurement, flow limiting, pressure regulation, on/off
Standards	TS EN 14267 (Type 4), TSE, CE, MID (Measuring Instruments Regulation)
Body material	Ductile iron (GGG40 / EN GJS400-15)
Inlet / outlet diameters	Inlet (DNB): 100 mm / outlet (DNP): 80 mm
Connection	Outlet: DN80 flange (to TS EN 1092-2); inlet: DN100 flange
Pressure class	Nominal pressure: PN10 / PN16
Measurement accuracy	Does not measure air; unaffected by particles in water
Communication	LoRaWAN, GSM/GPRS, RF, M-Bus (standard), pulse
Single outlet 3-5M	Standard hydrant / low-pressure hydrant
Single outlet 5-10M (orifice)	Orifice flow control; flow limits using an orifice plate
Single outlet 10-40M (flow limiter)	Flow limits
Single outlet 40M (DL+BR)	Flow limiting + pressure regulation

Technical values summarise the product family. Options, dimensions and operating limits must be confirmed for the selected model.