

IRRIGATION GATE VALVE S58



Control gate valve combining the functions of a gate valve and a control valve. Combines low pressure loss, low flow resistance, gradual throttling, and good seal with abrasive liquids, hard waters or liquids with suspended particles.

Extremely **low pressure drop**, very gradual opening and closing of the flow port, resulting in a minimal flow rate coefficient differential (kv) for each turn of the handwheel.

Low and easy maintenance.

DESCRIPTION

The S58 is an **elastic seal control gate valve**. It consists of **body**, **handwheel** and **gate**.

The **body** is made of ductile cast iron and is protected, both internally and externally, with an epoxy coating.

The inlet is flanged PN 16; the outlet is available in flange-flange or flange-bayonet version with internal thread of 3" (DN 80) or 4" (DN 100) for the pipe section.

The passageway is completely unobstructed. The gradual closing and opening prevent water hammer.

The **handwheel** can be **padlocked** in closed, partially open, or fully open positions (padlock not included in the scope of supply).

The parallel face brass **gate** ensures hydraulic seal. It is securely attached to the handwheel to ensure gradual closing and opening, without vibrations or knocking. It rests on a self-expanding, wear-resistant elastomer ring. It is not subject to permanent deformation or seizing.

APPLICATIONS

The S58 gate valve is particularly suitable for use in irrigation, fire-fighting or water treatment systems, in mains water supply systems and for industrial applications.

COMPLIANCE

The S58 gate meets the *Technical recommendations for the design and construction of remote operation systems in irrigation systems* drawn up by ITAL-ICID and the Lazio Region.

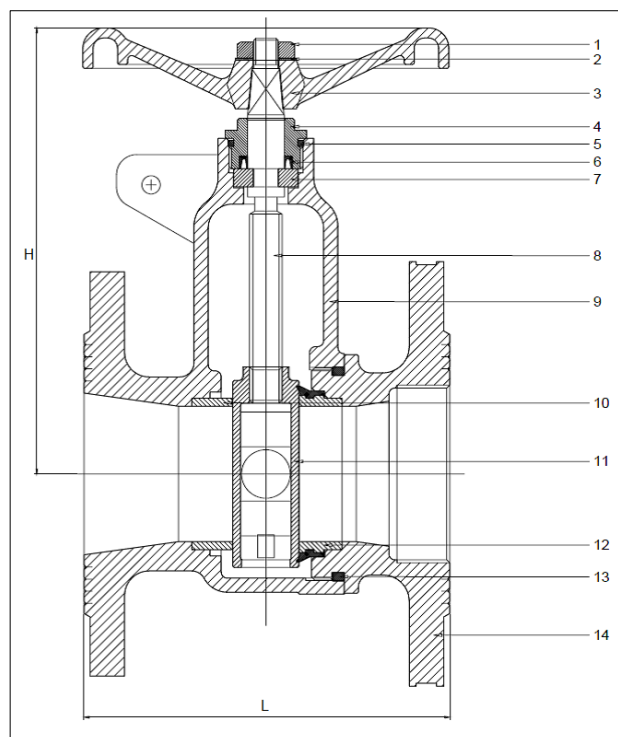
DIMENSIONS

Diameter DN	Flange dimensions	Length L F-F*	Length L F-B**	Height H	Flange diameter	Handwheel diameter	Weight F-F	Weight F-B
80 mm/3"	PN 16	180 mm	180 mm	220 mm	200 mm	180 mm	16 kg	14 kg
100 mm/4"	PN 16	210.5 mm	206.5 mm	270 mm	220 mm	200 mm	24 kg	22 kg

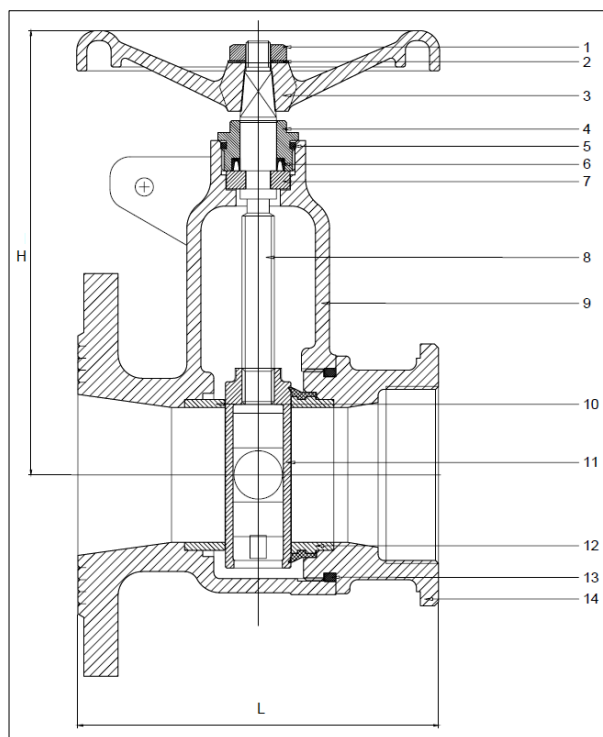
*F/F: flange-flange

**F-B: flange-bayonet (with internal thread for pipe section)

COMPONENTS



Flange-flange version



Flange-nozzle version

Ref.	Description
1	Nut
2	Washer
3	Handwheel
4	Bush
5	O-ring
6	Y-ring
7	Seal ring
8	Stem
9	Body
10	A-ring
11	Gate
12	B-ring/Flanged union or nozzle sealing ring
13	O-ring
14	Flanged union or nozzle

Rev. 0 10/17 | Subject to changes for technical reasons