

PROTEC-LINE



APSAD APPROVED VALVE

"APSAD" approved valves are specially designed for sprinkler systems. Used on all sprinkler networks in construction and industry, they meet all APSAD requirements.

TECHNOLOGY

- ✓ **APSAD** manual gear box
- ✓ Plate **standardised** in accordance with EN-ISO 5211
- ✓ **Epoxy** coated body for an **excellent corrosion resistance**
- ✓ Non-ejectable stem for **optimum security**
- ✓ High collar for insulation
- ✓ Hollow neck to **prevent seizing**
- ✓ Seat anchored in the body and self-centering disc guarantee a **low and constant torque** and a **durable seal**
- ✓ Moulding and spherical machining of the seat / valve body contact zone for a **perfect seal**
- ✓ Seat bossed at valve stems to eliminate the risk of external leaks
- ✓ Secondary O-rings for **additional safety**



Profiled disc for an **increased flow rate coefficient (Kv) (*)**



Ductile iron body as standard for **increased resistance**



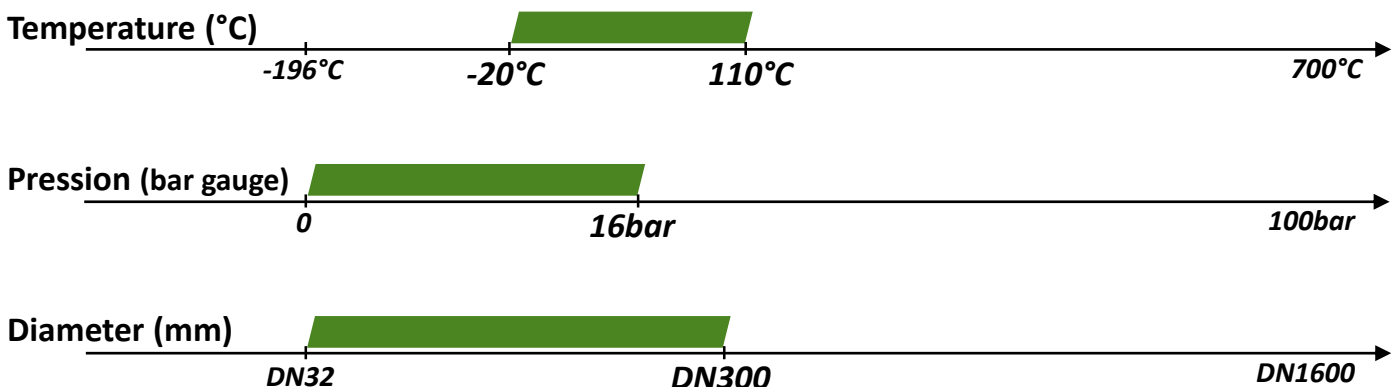
100% product testing to **guarantee performance**



A **premium service** through customer liaison and technical assistance

() Depending on operating conditions, the annual energy savings can be higher than the cost of the valve.*

PERFORMANCE



The maximum pressures and temperatures depend on the pressure/temperature relationship and type of fluid.

CONSTRUCTION

Body	DUCTILE IRON ENJS1030 + EPOXY			
Liner	EPDM High Temperature			
Disc	DUCTILE IRON ENJS1030 + EPOXY		STAINLESS STEEL A351 CF8M	
Body type	Wafer	Lug	Wafer	Lug
Operation type	APSAD manual gear box			

Design

- Designed in accordance with standard EN 593
- Face-to-face in accordance with standard EN 558+A1 base 20

Seal

- In accordance with standard EN 12266-1 Rate A

Approvals

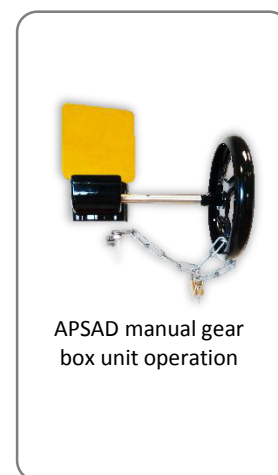
- PED 2014/68/UE
- APSAD



Wafer



Lug



APSAD manual gear box unit operation

CHARACTERISTICS

Components	Material	Description	Benefit
Body	DUCTILE IRON ENJS1030	Spheroidal graphite ductile iron has a superior mechanical strength than lamellar graphite cast iron.	Increased safety for personnel and equipment
Coating	EPOXY	The EPOXY coating guarantees excellent corrosion resistance .	Maintains products integrity and facilitates cleaning
Liner	EPDM H.T.	Elastomer specifically formulated for high temperature applications .	Durable seal
Disc	DUCTILE IRON ENJS1030 + EPOXY	Assembly having the mechanical properties of ductile iron and the chemical protection of EPOXY.	Cost effective
	ASTM A351 CF8M	This grade of stainless steel has excellent corrosion resistance .	Uncoated stainless steel
Stem and Pivot	1.4021 / 1.4028 (Inox 13% Cr)	The shafts have excellent mechanical strength and benefit from corrosion resistance of 13% Cr stainless steel.	Lasting integrity of the shaft line
Bearing ring	THERMOPLASTIC	Plastomers are insensitive to corrosion and have good mechanical strength.	Improved shaft coaxiality
Manual gear box	ALUMINIUM	Fitted with a yellow flag, limit switches, chain and padlock	APSAD compliant



Energy Savings

43%

Average increase in Kv coefficient compared to one-piece shaft design.