HD hydrant pressure regulator

STANDARD FEATURES

- Hydrant valve with integrated pressure regulator
- NC valve, i.e. closed with power off
- No rechargeable battery pack required
- Automatically drains completely
- Safety valve built into the feed line
- Controlled via 24 V/2 A
- Intake pressure: 60 bar (standard)

OPTIONAL

- Control 230 V/0.2 A
- Intake pressure 80 bar
- Intake pressure 100 bar
- Output pressure 15 / 25 / 30 / 35 bar
- Integration of existing machines with or without hydrant operation

IAG BESCHNEIUNGSTECHNIK

IAG's hydrant solution for all types of machinery represents an attractive alternative to conventional spindle-drive designs. Unlike such systems, the system is kept open by applying a 24 V power supply. To ensure proper functioning even at high intake pressures, a special electromagnetically opened solenoid valve is integrated, a device that has proven reliable in many years of use.

The compact unit, which may be screw-mounted directly on the line, additionally includes an overpressure regulator. This arrangement ensures that water is supplied to the machine at a constant pressure level, regardless of the geodetic pressure, and prevents any overpressure load to the machine. The system responds within a fraction of a second, in this way preventing any pressure peaks that might otherwise occur with slow-response spindle drives. The system closes immediately in the event of any power fallout, so that there is no risk of water damage to ski slopes.

The safety valve in the feed line prevents any damage to the line. This provides the additional advantage of optionally shutting down equipment immediately. Unlike spindle-drive hydrants, which may require minutes before the machine can be shut down, the IAG hydrant cuts operation immediately.

The system is easily mounted. Like conventional hydrants, it can be screw-mounted directly on existing water supply lines.

TECHNICAL DATA HD

Subject to technical modifications.

Intake pressure	60 / 80 / 100 bar
Output pressure	15 / 25 / 30 / 35 bar
Flow rate	Up to 700 l/min
NC closing valve	Power off = closed
Safety valve in the feed line	60 / 80 / 100 bar
Power supply	24 V 2 A / 230 V 0.2 A
Battery power supply	None
Response time / closing	< 1 second
Intake fitting	2“, inside thread
Output fitting	2“, inside thread

IAG – Industrie Automatisierungsgesellschaft m. b. H.
Industriestrasse 2 • 2722 Weikersdorf • Austria
Tel.: +43 (0) 2622 21734 - 0 • Fax: +43 (0) 2622 21734 - 85
Email: sales@iag.at • www.iag.at