



CSV 15 High Pressure Valve



★ **DISTRIBUTION**
CRYOSTAR

Technical Index

★ Pump ID Meaning

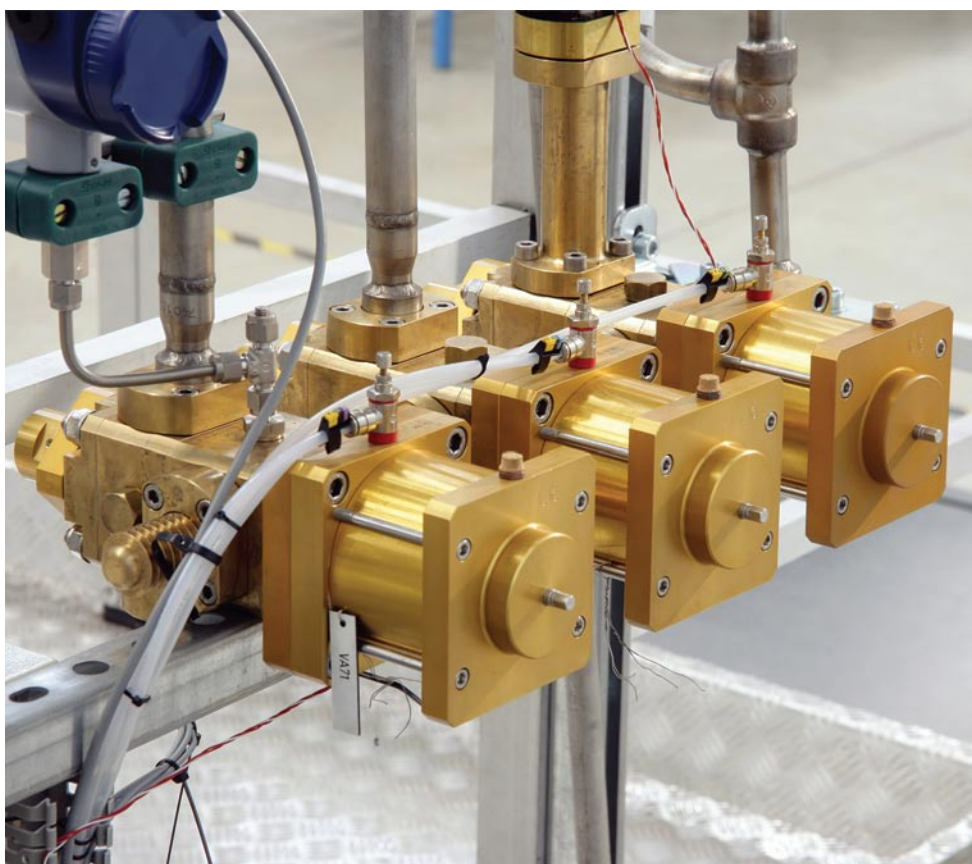
CSV (Cryostar valve)	/	15 (Nominal diameter)
Applications	Filling stations; high pressure applications, buffer panels, priority panels, etc...	
Compatible gases	O ₂ , N ₂ , Ar, CO ₂ , N ₂ O, CH ₄ , H ₂ ...	
Actuator	Manual or Automatic / NO or NC	
Max. service pressure	420 bars / 6100 PSI	

★ Test Procedure

Each valve manufactured by CRYOSTAR is tested prior to shipment. The CSV 15 valve is delivered with a certificate including: Oxygen degreasing and pneumatic test at 465 bars

★ Quality

PED approved art. 3.3, not submitted to ATEX regulation



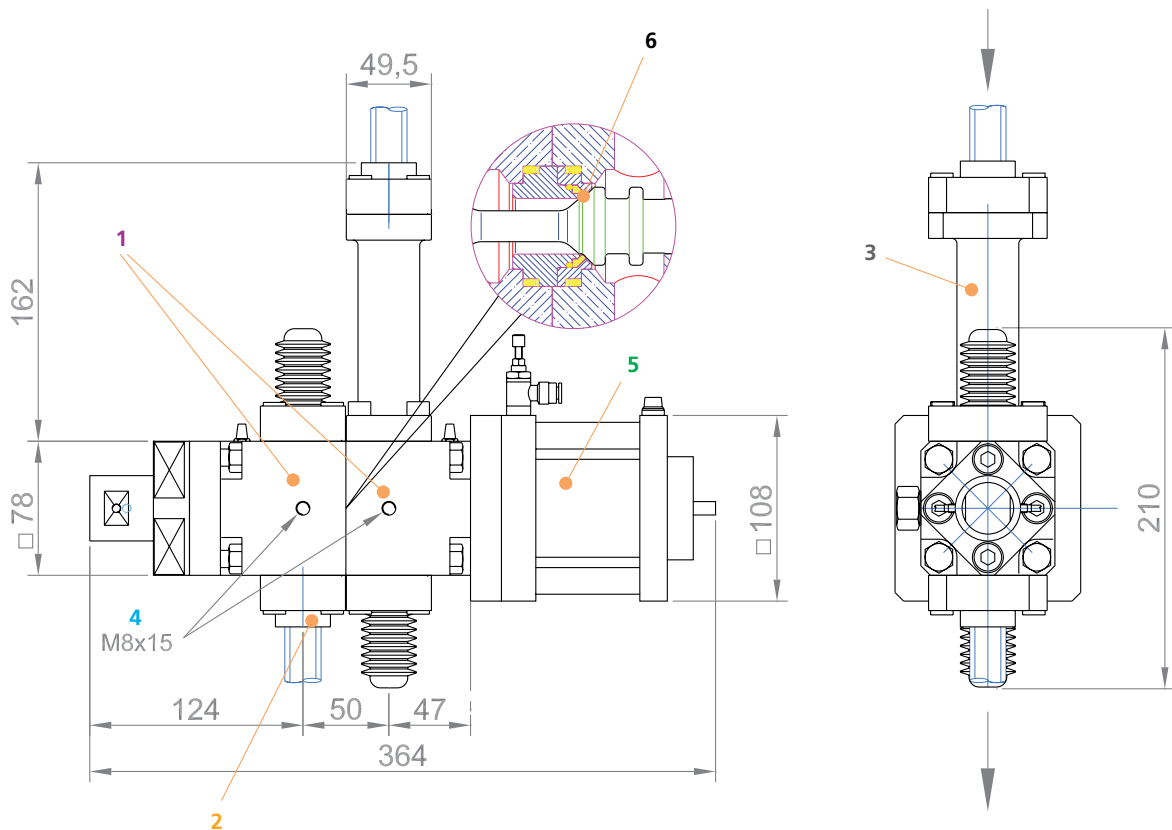
★ Characteristics :

Service pressure	400 bar at 60° for O ₂ (CTE tested with O ₂) 420 bar from -40° to +100°C for inert gases
Nominal diameter	DN 15 (intern diameter: 13.7mm)
Internal leakage	1,3 x 10 ⁻⁷ mbar.l/s (at 420 bar with helium)
External leakage	1,9 x 10 ⁻⁵ mbar.l/s (at 420 bar with helium)
Schaft material	Carodur (CuNi2Si)
Seat material	VespeL SP21
Internal seal material	EPDM (natural peek backup ring)
Actuator body material	Brass (CuZn39Pb3)
Simple effect actuator	NO or NC (To be defined at order)
Limit switches	2 inductive limit switches (Open / Closed)
Instruments connection	¼" BSPP (F) connection
Line connection	½" Socket welded connection



★ Features

1. The modular design of this valve allows different positioning of the valve, making it easy to integrate into customers process.
2. Special connections on which the line could be welded are also available in 1/2", thus allowing easy dismounting of the valve from the line.
3. Special interconnections such as filters or non-return valves can also be mounted on these valves without welding.
4. 2 pressure connections are available on each valve, enabling an easy connection of a pressure transmitter or a manometer.
5. Easy conversion from manual to automatic, whilst keeping the main body intact, including internal parts.
6. This valve permits an easy dismounting and replacement of the soft seat in case of damage for shorter maintenance operations.
 - Easy conversion from NC to NO mode without taking apart the valve bodywork
 - Compact design resulting in space saving for installation
 - The valves can be connected between them through special brass interconnections with O ring sealing. 2 types of interconnections are also available.



★ Accessories

- Heat dissipater
- Obturation flange
- Short interconnection
- Long interconnection
- Ready to weld connection 1/2" SW
- Limit switch support with its sensors
- Line filter mounted in a connection (CTE tested for adiabatic compression)
- Non return valve mounted in a connection

For more details please contact your local Cryostar representative



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