PRESSURE RELIEF VALVE

Model F1319

Pressure Relief Valve



PRODUCT DESCRIPTION

The pressure relief valve model F1319 has been specifically designed for fire protection systems. It can be used in fire pump discharge control.

It limits inlet pressure by relieving excess pressure.

TECHNICAL DATA

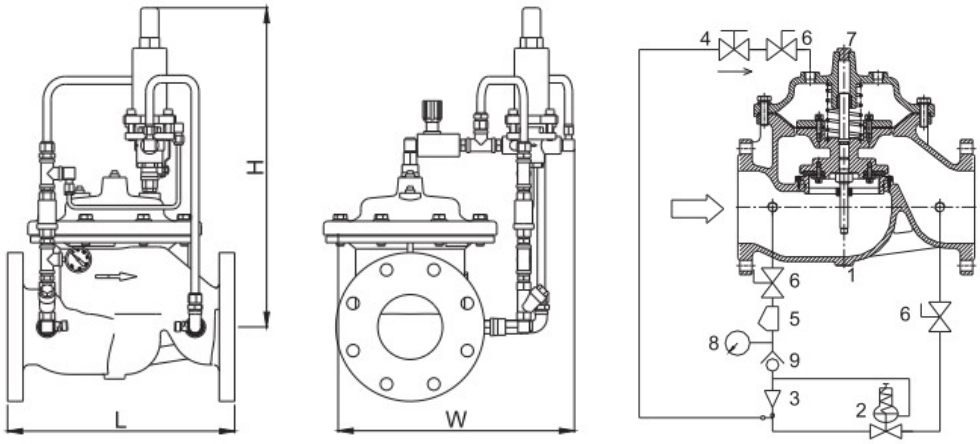
Model	F1319
Sizes	1 ½" DN40, 2" DN50, 2 ½" DN65, 3" DN80, 4" DN100, 6" DN150, 8" DN200
End connection	Flanged and Drilling complies with EN 1092-2 PN 16, ANSI B16.1 Class 125
Maximum Working Pressure	Max 21 bar (300 psi)
Materials	Main valve body and bonnet: Ductile Iron A536 Diaphragm: Nylon Reinforced Natural Rubber/EPDM/NBR Seat ring: Stainless Steel Pressure Reducing Pilot: Bronze Stem and spring: Stainless Steel (Other materials of construction are possible)
Finish	Enamel pain or fusion bonded epoxy coated interior and exterior

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OPERATION

The pressure relief valve model F1319, limits inlet water pressure automatically by relieving excess pressure.

DIMENSIONS



Size (mm)	DN40	DN50	DN65	DN80	DN100	DN150	DN200
L	200	230	290	310	350	480	600
H	180	200	215	265	290	390	470
W	260	270	290	305	320	370	420

NO.	Components	NO.	Components
1	Basic Control Valve	6	Isolation Ball Valve
2	Pressure Relief	7	Plug or Visual Indicator
3	Ejector	8	Pressure Gauge
4	Flow Control Valve	9	Check Valve
5	Y-Strainer		

INSTALLATION, TESTING AND MAINTENANCE

The relief valve model F1319 must be installed, inspected and tested by a qualified and trained person according to NFPA-20 requirements.

Before assembly of the pressure relief valve to the supply piping, thoroughly flush the piping with water to avoid sand, residue, welding slag or other debris hindering the proper functioning of the valve. After few initial successful tests, an authorized person must be trained to perform the inspection and testing of the reducing valve.

It must be inspected regularly for possible damage or dirt around the moving parts. If any abnormal conditions are observed such as poor discharge, excessive wear, water leak, corrosion effect, damage etc., then reducing valve must be taken out of service and repaired by qualified technician or replaced.

The relief valve should be ready for use. To achieve this condition, scheduled inspection and maintenance operation should be performed and it must be recorded in the maintenance register book indicating the requirement or recommendation. The recommended maintenance, procedure must be followed as given in the manual and as per the local authority having jurisdiction.

Periodic proper greasing through grease nipple provided on bearing, worm wheel and worm shaft must be ensured. Use water resistant low friction synthetic grease.

The owner is responsible for maintenance of the relief valve in proper operating condition.

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ORDERING INFORMATION

CODE		
SIZE	CONNECTION	
	DIN	ANSI
1.5” DN40	VAP300BR040U0	VAP300BR040U1
2” DN50	VAP300BR050U0	VAP300BR050U1
2 ½” DN65	VAP300BR065U0	VAP300BR065U1
3” DN80	VAP300BR080U0	VAP300BR080U1
4” DN100	VAP300BR100U0	VAP300BR100U1
6” DN150	VAP300BR150U0	VAP300BR150U0
8” DN200	VAP300BR200U0	VAP300BR200U1

Specify:

Model (straight or angle)	
Quantity	
Size of valve	
End connection	
Installation position	
Material	

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  - Extended Coverage
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  - Dry
  - Accessories
- System Valves
  - Wet
  - Dry
  - Preaction Equipment
  - Accessories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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