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INDEX

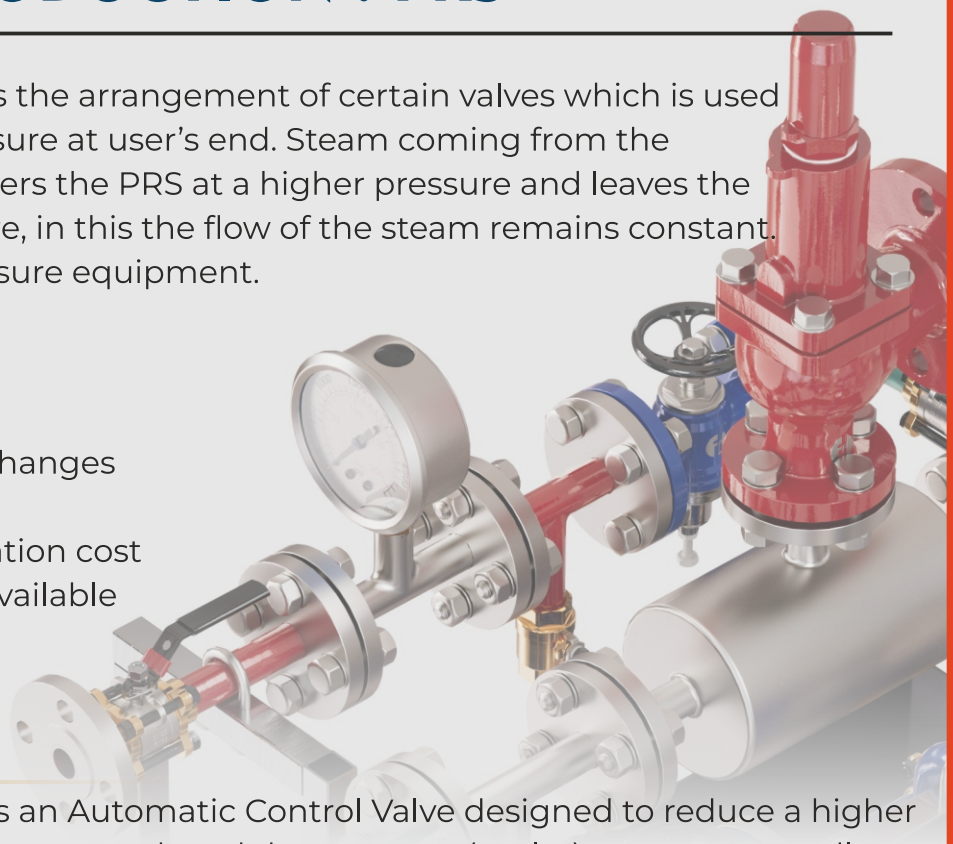
PRESSURE REDUCING STATION
FDI - PRS - 716

FIDICON
DEVICES INDIA PRIVATE LIMITED
Dedicated to People & Environment Protection

FDI/D&D/F-08/31

INTRODUCTION : PRS

Pressure reducing stations (PRS) is the arrangement of certain valves which is used to provide the desired steam pressure at user's end. Steam coming from the Boiler, through the steam line, enters the PRS at a higher pressure and leaves the PRS at reduced (specified) pressure, in this the flow of the steam remains constant. Like Steam Boiler, PRS is also pressure equipment.



Advantages:

1. Rugged design
2. Instance response to pressure changes
3. Compact design
4. Ready to install i.e. lower installation cost
5. IBR and Non-IBR PRS are also available
6. No maintenance cost

Pressure Reducing Valve

A Pressure Reducing Valve (PRV) is an Automatic Control Valve designed to reduce a higher unregulated inlet pressure to a constant, reduced downstream (outlet) pressure regardless of variations in demand and/or upstream (inlet) water pressure.

Pressure Safety Valve

A Pressure Safety Valve characterized by rapid opening or closing and normally used to relieve compressible fluids. Safety valves are spring loaded pressure relief devices, but they are designed to provide full opening with minimum over pressure. Static pressure and the kinetic energy of the gas or vapor are utilized to overcome the spring force on the disk as it lifts, resulting in a popping action.

Gate Valve

A Gate Valve is generally used to completely shut off fluid flow or, in the fully open position, provide full flow in a pipeline. Thus it is used either in the fully closed or fully open positions. A gate valve consists of a valve body, seat and disc, a spindle, gland, and a wheel for operating the valve.

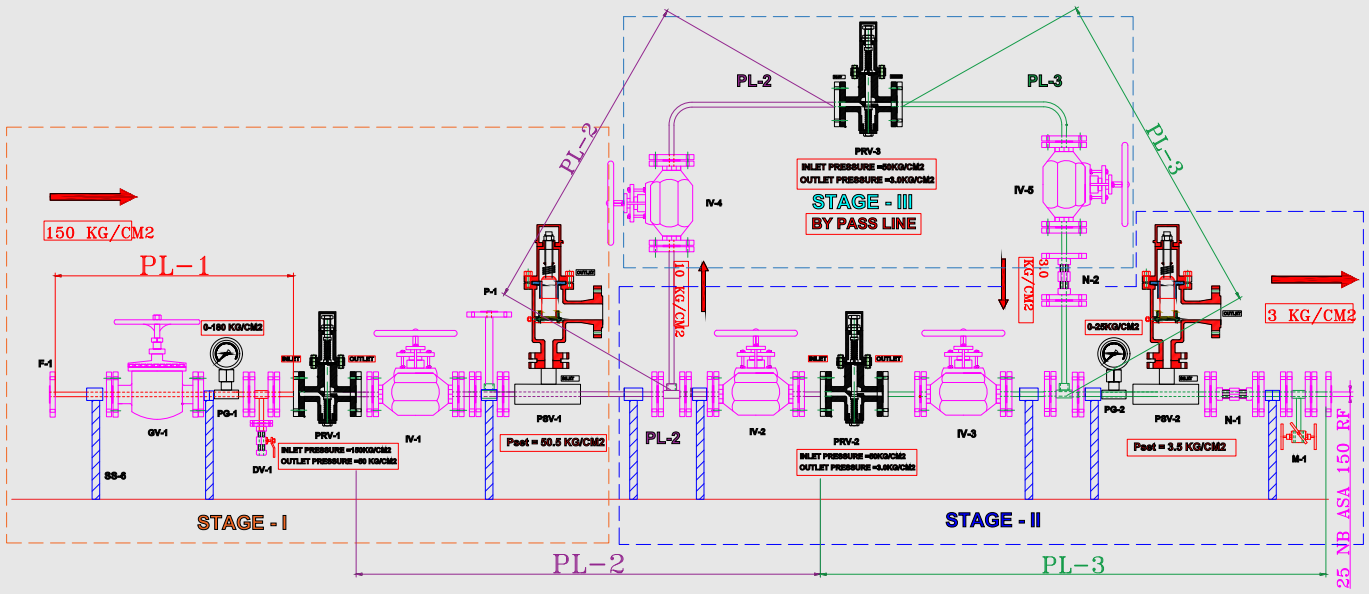
Drain Valve

A drain valve is a smaller device that is generally located at the air receiver. When the drain valve is open the remains will flow out of the compressor tank and if it is closed the liquid will remain.

Isolation Valve

Isolation valves are a key component in any fluid system as they are used to stop the flow of fluid into a particular area of the system. They are also sometimes used to manually control the flow of the fluid.

INTRODUCTION : PRS



Pressure Gauge

Pressure Gauge, instrument for measuring the condition of a fluid (liquid or gas) that is specified by the force that the fluid would exert, when at rest, on a unit area, such as pounds per square inch or newton per square centimetre.

A non-return valve allows a medium to flow in only one direction and is fitted to ensure that the medium flows through a pipe in the right direction, where pressure conditions may otherwise cause reversed flow.

SR. NO.	MATERIAL DESCRIPTION	
	UPSTREAM (STAGE-1)	
1.	GV-1	GATE VALVE
2.	PG-1	PRESSURE GAUGE
3.	DV-1	DRAIN VALVE
4.	PRV-1	PRESSURE REDUCING VALVE
5.	PL-1	PIPE LINE
6.	IV-1	ISOLATION VALVE
7.	P-1	PORT
8.	PSV-1	PRESSURE SAFETY VALVE
	DOWNSTREAM (STAGE-2)	
9.	IV-2	ISOLATION VALVE
10.	PRV-2	PRESSURE REDUCING VALVE
11.	IV-3	ISOLATION VALVE
12.	PG-2	PRESSURE GAUGE
13.	PSV-2	PRESSURE SAFETY VALVE
14.	PL-2	PIPE LINE
15.	N-1	NON-RETURN VALVE
16.	M-1	3-WAY MANIFOLD
	BY PASS LINE (STAGE-3)	
17.	IV-4	ISOLATION VALVE
18.	PRV-3	PRESSURE REDUCING VALVE
19.	IV-5	ISOLATION VALVE
20.	N-2	NON-RETURN VALVE
21.	PL-3	PIPE LINE
	OTHER ASSEMBLY ITEM	
22.	F-1	FLANGE
23.	FS-1	FASTENERS
24.	SS-6	SUPPORT & STRUCTURE

FIDICON have designed, fabricated and successfully commissioned Pressure Reducing Stations (PRS) to many of our clients across the country. This design has been incorporated with a high degree of reliable quality components for trouble-free service. Most of the process industries need steam at different pressures for different applications. Hence, a properly sized pressure reducing station (PRS) is required for efficient of steam with minimum losses.

Recommended Disposal

- Give it back to us & we will take care of recycling & possible disposal.
- User can dis-assemble the product in multiple stage
- The above may be handed over (state pollution board), authorized re-cycler item-wise.

ENQUIRY SPECIFICATIONS:

[1] Service Media Details.
[2] Connection Type , Details.
[3] System Operating and Design Pressure.
[4] System Operating and Design Temperature.
[5] Inlet Pressure, Require Set Pressure
[6] Material Specifications (Body / Wetted Parts)

RECOMMENDED SPARES

[1] Gaskets / as per customer needs.
[2] Non-Return, Drain, Gate, Isolation Valves
[3] Pressure Gauge
[4] Pressure Reducing Valve
[5] Pressure Safety Valve

OTHER RANGE OF PRODUCTS

[1] Flame Arrester
[2] Breather Valve
[3] Level Indicators
[4] Rotameters
[5] Emergency Relief Valve
[6] Gauge Hatch
[7] Strainers
[8] Pressure Reducing Valve
[9] Safety Relief Valve
[10] Flowmeters
[11] Level Switches
[12] Pressure Reducing Station
[13] Level Gauge, etc.

Any Query?
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