

- **Mechanical Reliability**
- **Simplifies Bypass Piping**
- **High Flow**
- **Serviceable**

Unique to Eclipse, the Excess Pressure Valve is a self-actuated valve that is closed when the internal pressure is above a set point, and open below this point. This makes it ideal for simplifying and automating low pressure bypass lines, among other uses.

Normally, an automated bypass valve in a Pressure Reducing System (PRS) requires a number of elements to work: valve, actuator, solenoid, pilot pressure supply, tubing, pressure transducer and PLC configuration. The Excess Pressure Valve allows all this to be replaced with one valve, saving cost by simplifying the system, reducing the number of potential failure points, as well as reducing the size of the pressure relief valve required in most applications.

As a bypass valve it is safer than a ball valve as it rapidly closes when high pressure is sensed at the inlet, virtually eliminating the possibility of overpressuring downstream components such as regulators and pipework.



Model	Setpoint	Cv	MAWP	Weight	Length	Ports	Temperature
VXPN-160-G1	50 bar	18	300 bar 4350psi	3.5kg 7.7lb	198mm 7.8"	1" FNPT	-40°F to 185°F (-40°C to +85°C) Cold seals also available
VXPN-160-G2	63 bar						
VXPN-160-G3	76 bar						
VXPN-160-B2	98 bar						
VXPN-160-B3	118 bar						
VXPC-240-A	28 bar	51	300 bar 4350psi	8kg 17.6lb	241mm 9.5"	1.5" Code 62 Inlet Code 61 Outlet	
VXPC-240-B	32 bar						

Fluid Compatibility: CNG, Hydrogen, and most inert gases. Seals available to suit most fluids.

Contact our Sales team at sales@eclipsevalves.com for more info and pricing.