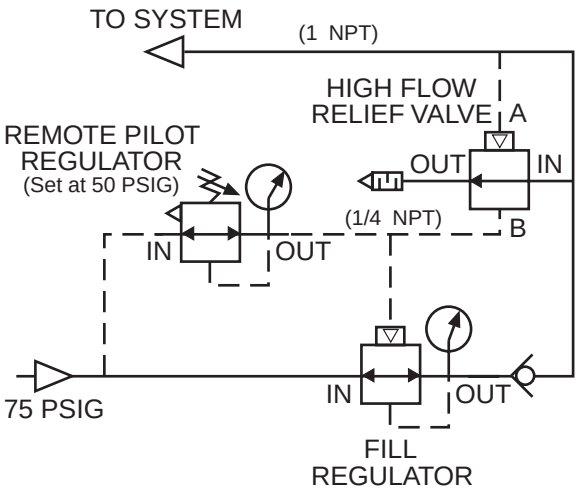
New Product Information

High Flow Relief Valve

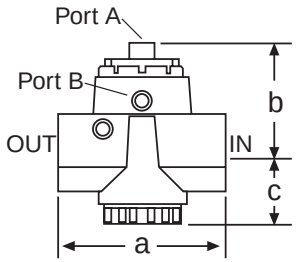
Great for counter balance applications!



Model Number
5X00D6012

STANDARD SPECIFICATIONS

Port Size: 1 NPT
Inlet Pressure: 300 psig (20.69 bar).
Pilot Pressure: 0 to 200 psig (0 to 13.8 bar).



Dimensions inches(mm)				**Weight** Lb (kg)
a	**b**	**c**	**Depth**	
4.4 (111)	4.8 (122)	2.5 (62)	2.9 (72)	1.8 (0.8)

The High Flow Relief valve is designed to prevent the over-pressurization of pneumatic components and systems.

On the left is a typical circuit using the High Flow Relief Valve. The circuit utilizes a remotely piloted “fill” regulator (port size 1 NPT) and a small, remotely mounted, pilot regulator with 1/4 NPT ports.

The required system pressure is set by adjusting the knob on the pilot regulator until the desired system pressure is shown on the pilot regulator’s gauge. An example system pressure of 50 PSIG was selected in the circuit on the left.

Outlet pressure from the pilot regulator is sent to the fill regulator’s signal port and the “B” port of the High Flow Relief Valve. The “A” port of the High Flow Relief Valve is connected to the system, as shown, to monitor system pressure.

If the system pressure exceeds the pilot regulator setting (setpoint), the High Flow Relief Valve will begin to exhaust air after an approximate 2 psig rise above the setpoint.

Should the system pressure drop below the setpoint, the fill valve will open to supply air downstream and maintain the system at the setpoint.

ROSS CONTROLS®
U.S.A.
TEL 800-GET-ROSS
custsvc@rosscontrols.com

ROSS EUROPA GmbH
Germany
FAX 49-6103-7469-4
info@rosseuropa.com

ROSS ASIA K.K.
Japan/China
FAX 81-427-78-7256
custsvc@rossasia.co.jp

ROSS UK Ltd.
United Kingdom
FAX 44-1280-705630
sales@rossuk.co.uk

ROSS SOUTH AMERICA Ltda.
Brazil
TEL 55-11-4335-2200
vendas@ross-sulamerica.com.br

ROSS CONTROLS INDIA Pvt. Ltd.
India
FAX 91-44-625-8730
sales@rosscontrolsindia.com

U.S.A.– 7/02

Form A10251