### **CROSS LINE RELIEF VALVES**



#### **VMPDI**

### Flow Upto 70 LPM **Pressure 350 Bar**

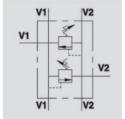


#### Description & Operation

Made up by 2 cross port relief valves, these valve are used to limit the pressure in the two ports of an actuator/hydraulic motors to a certain setting. They are ideal to provide protection against sudden shock pressure or to limit the maximum pressures in the 2 ports of a hydraulic circuit. The 6 ports (2 inlets in and 4 reversible outlets) enaable to use just one valve for 2 cylinders.

Connect V1 and V2 to the pressure flow or to the actuator/hydraulic motor. Vice versa for the remaining ports V1 and V2. Mounting by the actuator is highly recommended in order to avoid pressure drops.





**Hydraulic Symbol** 



Maximum Flow	70 LPM
Maximum Pressure	350 Bar
Body Material	Steel
Internal parts	Hardened and Ground steel
External Component treatment	Zn/Fe - standard (96h) / Zn/Ni (720h)
Oil Temperature	50 Deg. C
Fluids	Mineral based or synthetics with lubricating properties
Viscosity	30 cSt
Standard Sealing	NBR-Buna N
Filteration	20/18/15 ISO 4406 ( Max. Filteration admitted)
Orientation / Mounting	Inline
Weight	See Ordering details

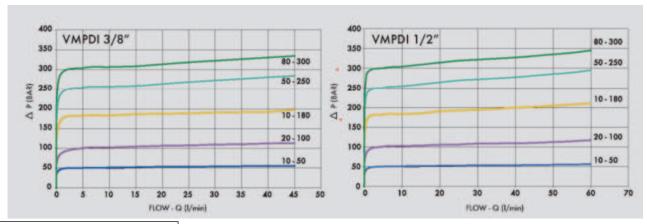
# **Specifications**

Туре	Max.Flow	Max.Pressure
	LPM	Bar
VAU 3/8"	45	350
VMPP 1/2"	70	350

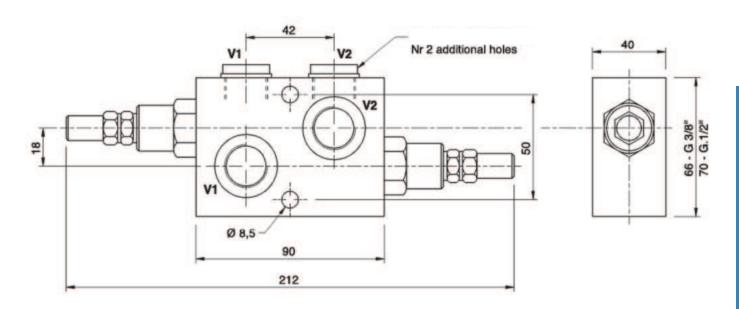
# On Request

- Different setting range (see the table)
- Other setting available (CODE/T000 please specify the desired setting)

### A Performance Curve



## Dimensional Drawing



### Ordering Details

Ondo	Code Type	V1-V2	Weight
Code		GAS	Kg
VO737	VAU 3/8"	G 3/8"	1.520
VO738	VMPP 1/2"	G 1/2"	1.490

## Springs Table

Setting Range	Pressure Increase	Standard Setting
Bar	Bar/Turn	Bar
10 - 50*	7	30
20 - 100	12	75
30 - 180 standard	30	90
50 - 250	45	130
80 - 300	50	150

#### \*For setting less than 70 Bar : Q=12 LPM

## Adjustment

CODE/V	Handknob
CODE/PP	Arranged for sealing cap
CODE/P	Sealing cap