

Technical Bulletin

To - Agents, Distributors and OEM's

Introduction of new Relief Valve Adjusters

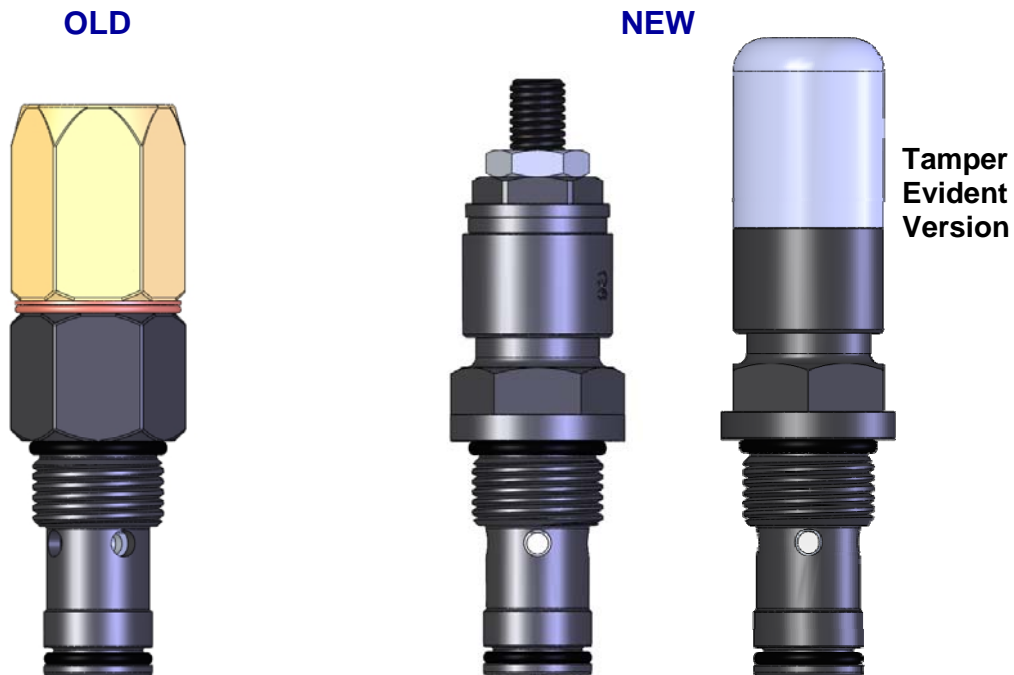
The Hy-Pro G1/2 Direct Acting Relief Valves have been re-designed to incorporate a safer, leak free, easily adjustable mechanism.

It uses an all new external adjuster and lock nut which gives zero-leakage and prevents loss of components whilst adjusting. It has an adjustment range of 25 to 250 bar. There is also an optional tamper evident cover.

The new cartridge will be standard in our V4-40 and V5-60 spool valve range from March 2016 and will also be incorporated into our range of G1/2 line mounted manifolds.

We are also working on the 60 l/min and 100 l/min pilot operated and hand wheel versions which will be phased in mid to late 2016.

The new cartridges use the same cavity and are fully interchangeable.



Changes to Ordering Codes

Description	Old code	New Code
G1/2 D/A RV Cartridge 140 Bar	V2022C	RV60 D S N 140 C
G1/2 D/A RV Cartridge XXX Bar	-	RV60 D S N XXX C
G1/2 D/A RV in 3 port manifold set 140 Bar	V2022 M	RV60 D S N 140 M3
G1/2 D/A RV in 3 port manifold set XXX bar	V2022MX	RV60 D S N XXX M3
Dual G1/2 D/A RVs in 4 port manifold set 140 Bar	V2597	RV60 D S N 140 M4
Dual G1/2 D/A RVs in 4 port manifold set XXX Bar	V2597 X	RV60 D S N XXX M4

XXX = Customer advised setting

Please note that ordering codes for relief valves in sectional valve assemblies remain the same.

Technical Data

Performance

Rated flow	60 l/min
Max pressure	250 bar
Setting range at 40 lpm	25 to 250 bar
Temperature rating: min	-20°C
Temperature rating: max	+65°C
Manifold ports	G1/2
Rate (40L/min)	25 bar per turn

Recommended Oil

Hydraulic oil	DIN 512524 pt 1 & 2
Fluid Cleanliness	≤ 20/16/13

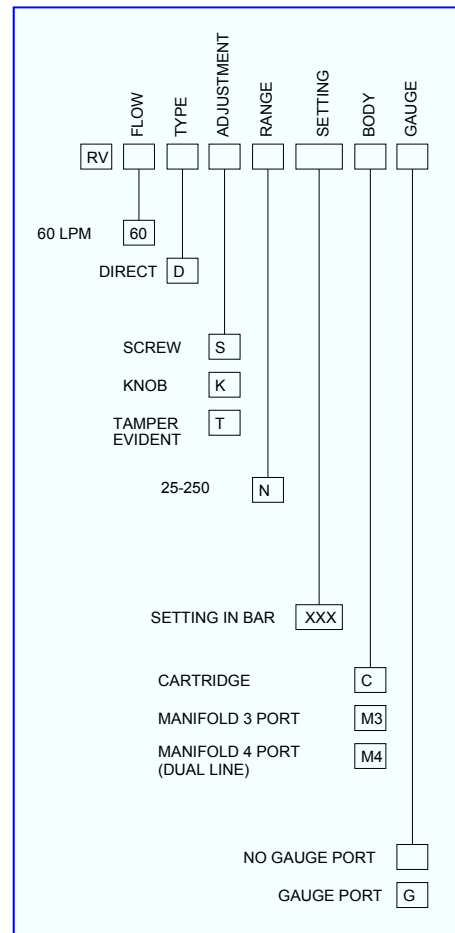
Materials

Body – Nitrotec	NQ3
Piston – Hardened	BC Standard 0,19
Cap – Nitrotec	NQ3
Manifold – Aluminium	BS 1490
Seals - reciprocating	Viton
Seals – static	Nitrile

Installation Torque

Cartridge	27 Nm
Lock Nut	8 Nm

Ordering Codes



If in doubt ask!

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Issue	DRN	Drawn	Date	Checker
02	10958	Clive Morley	03/03/2016	Alan Wilson