

# Pressure Relief Valve

Type V/VF or VM/VMF

35% less weight

New reinforced sleeves



**Pump with AKO Screwed Pressure Relief Valve, 15mm - 50mm (without switch)**

- Proved reliability in the industry for over 10 years with 1000 plus applications in the UK
- Flanged sizes range 40mm to 250mm (9 sizes available with other sizes on request) PN10/16, ANSI150, others available on request, please contact the AKO sales team
- Screwed sizes range 10mm to 50mm (7 sizes available) Screwed BSP or 'Special' ends
- Clear and true bore (most sizes) - no blockages
- No mechanical parts to get clogged or blocked
- No friction
- Easy and low cost maintenance
- Single body casting meaning no chance of leaks
- When the valve is set (using footpump) to the required pressure, the air supply is no longer needed - perfect for remote areas
- The valve resets itself when a blockage is cleared
- No need to strip down the valve after it has relieved
- No need to reset after pump start ups or pressure surges
- All valves fully tested with unique tracking number - No leaks!!!
- 100% leak tight seal
- Quick/efficient deliveries from largest UK Pinch Valve stock
- Best possible prices
- Full technical backup and valve maintenance in house or on site

13 Alvis Way, Royal Oak Trading Estate,  
Daventry, Northants NN11 5PG.

Tel: 01327 312747

Fax: 01327 312565

e-mail: sales@ako-valves.com

Web: www.ako-valves.com

## Protects pumps and motors from damage!

Data Sheet PRV-01

### How it works

The AKO pressure relief valve is fitted onto a bypass line of a pump. The valve is then charged with air and set closed at the pressure it is required to relieve at. If the associated pump becomes clogged or blocked, causing the line pressure to exceed the pressure at which the valve is set closed at, it will open allowing the product to bypass the pump equalising the pressure until the blockage is cleared. When the blockage is cleared the valve will reset itself in its 'closed' position to the original set pressure.

As approved by Thames Water under the Framework Agreement with Aqua-Gas AVK

**Forget bursting disks or a spring valve, the AKO Pressure Relief Valve is the best and most cost effective solution to protect your pump or motor from over pressure and damage!**

### Flanged Version PN10/16

(40mm - 250mm)



**Clear and True Bore**

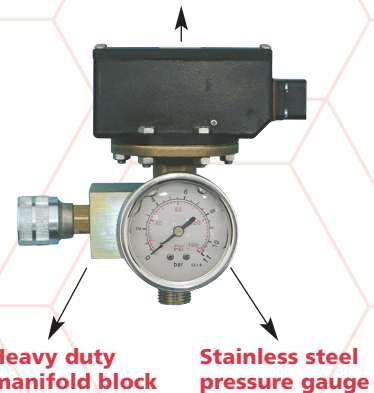
### Pressure Switch

The optional pressure switch has two switches inside a single IP65 housing. It is set so it will send a rising signal when the valve is relieving or a falling signal if there is a problem with the valve.

### Rising and Falling Pressure Signals

- Local starter (stops pump until the problem is rectified)
- PLC Control (eg. to stop other valves on the system, until the problem is rectified)
- Alarm - to alert operator/maintenance (eg. telephone)

**IP65 Pressure Switch (2 switches in single housing)**



**Heavy duty manifold block**

**Stainless steel pressure gauge**



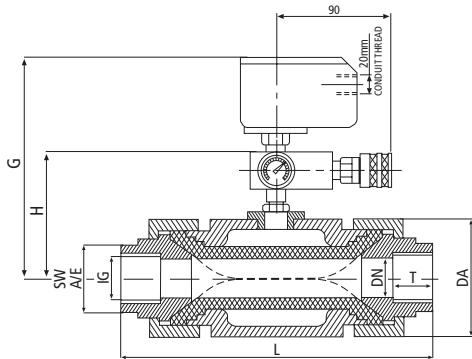
Valve & Flow Control Technology

**AKO UK Product Range Also Includes:**

Aeration Pads, Pneumatic Pinch Valves, Hand Operated Pinch Valves, Knifegate Valves, Butterfly Valves, Diaphragm Valves and Road Tanker Products.

# AKO Pressure Relief Valve VM/VMF

## Socket type DN 10 to 50mm (with or without switch)



### Type VM

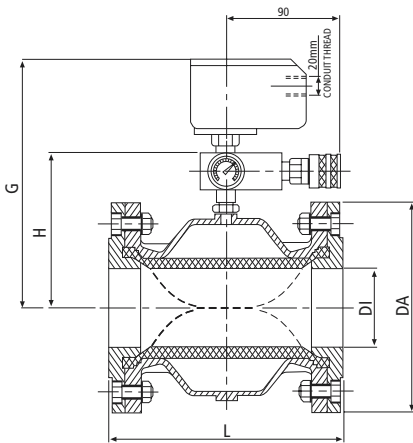
DN (mm)	IG (inch)	T (mm)	SW A/E (mm)	L (mm)	DA (mm)	H (mm)	G (mm)	Maximum Pressure
10	G <sup>3</sup> / <sub>8</sub> "	16	24	122	46	133	216	6
15	G <sup>1</sup> / <sub>2</sub> "	18	36	134	60	140	223	6
20	G <sup>3</sup> / <sub>4</sub> "	19	36	140	60	140	223	6
25	G1"	20	46	145	75	147	230	6
32	G1 <sup>1</sup> / <sub>4</sub> "	25	52	169	85	153	236	6
40	G1 <sup>1</sup> / <sub>2</sub> "	26	65	200	101	161	244	6
50	G2"	24	80	213	120	170	253	6

### Type VMF

DN (mm)	IG (inch)	T (mm)	SW A/E (mm)	L (mm)	DA (mm)	H (mm)	G (mm)	Maximum Pressure
32	G1 <sup>1</sup> / <sub>4</sub> "	25	52	169	80	150	233	6
40	G1 <sup>1</sup> / <sub>2</sub> "	26	65	200	100	160	243	6
50	G2"	24	80	213	120	170	253	6

# AKO Pressure Relief Valve V/VF

## Flange type DN 40 to 250mm (with or without switch)



DN (mm)	DI (mm)	DA (mm)	L (mm)	H (mm)	G (mm)	Maximum Pressure
40	40	150	155	173	243	6
50	50	165	183	170	240	6
65	60	185	183	187	257	6
80	80	200	228	200	270	6
100	100	220	282	217	287	6
125	120	250	350	240	310	6
150	145	286	420	266	335.5	6
200	190	340	555	311	381	4
250	250	390	610	368	438	2.5

#### Valve body:

**Flanged Type:** 40 - 200mm Aluminium or stainless steel  
250mm - Steel or stainless steel.

**Socket Type:** 10 - 50mm Aluminium, PVC or stainless steel.

#### Ends:

**Flanged Type:** BS4504 PN10/16 (ANSI flanges also available)  
40 - 200mm Aluminium with mild steel bushings/cast iron  
40 - 200mm Aluminium with stainless steel bushings  
250mm - Steel or stainless steel.

**Socket Type:** Screwed BSP (others available on request)  
10 - 50mm POM, stainless steel or PVC.

**Special Ends:** Please contact the AKO Sales Team for more information.

#### Sleeves:

Natural rubber, Nitrile, white food quality (FDA approved), others available on request.

#### Accessories:

Foot Pump, Pressure Switch (2 switches inside a single housing, see front of data sheet).

#### Industry/Application Examples

Pressure relief for pumps, water, liquid, sewage/sludge and food industry.

#### Technical:

For full technical information please see technical data sheet or contact the AKO sales team.