

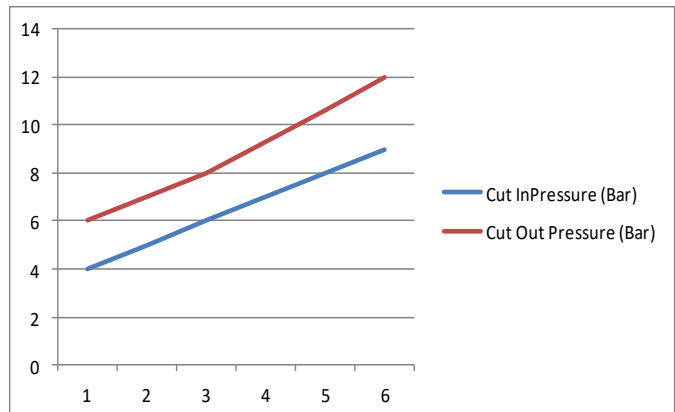
## PRESSURE SWITCHES (Category 4)

### NEMA TYPE PRESSURE SWITCHES



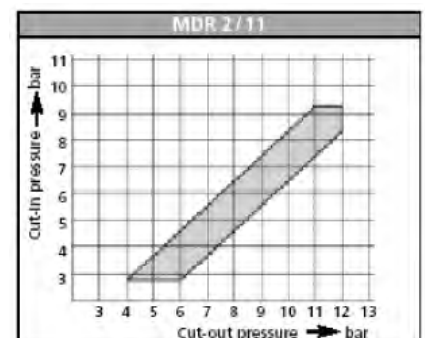
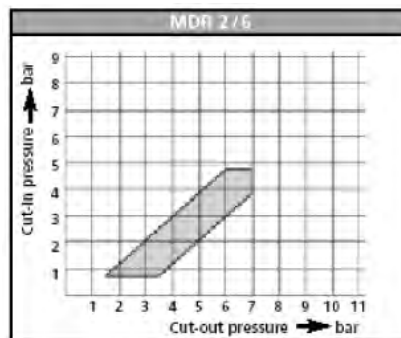
- 1/4" BSP Thread
- 6mm Tube Connections
- Voltage: 220V
- Max Current: 16 Amps
- Standard Cut in Pressure: 6 Bar. Adjustable from 4-9 Bar.
- Standard Cut out Pressure: 8 Bar. See chart below for Cut-Out pressures if Cut-In pressure is adjusted.
- Control Accuracy:  $\pm 0.03$  Bar
- Working Temperature:  $-25^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

Code	Description
04-AD1-B	Single Port Pressure Switch. Compression
04-AD1-P	Single Port Pressure Switch. Push-In
04-AD4-B	4 Port Pressure Switch. Compression
04-AD4-P	4 Port Pressure Switch. Push-In



### CONDOR PRESSURE SWITCHES

**MDR2 Series - Single Phase**  
1/4 BSP Female Connections  
Switching Capacity - 2.2 KW  
20 Amps at 240 Volts



Code	Unloader	ON/OFF SWITCH	PORTS	Cut Out Pressure
04-MDR2/600			1	150-700 Kpa
04-MDR2/11003	✓	✓	1	400-1200 Kpa
04-MDR2/11007	✓	✓	4	400-1200 Kpa

**MDR3 Series - 3 Phase**  
1/4 BSP Female Connections  
Switching Capacity - 7.5 KW



SPARE PARTS  
ALSO  
AVAILABLE



- Pressure Ranges Available  
130 to 600 Kpa, 400 to 1100 Kpa, 600 to 1600 Kpa and 750 - 2500 Kpa.
- Optional On/Off Switch
- Thermal Overload Options if Required  
4 to 6.3 Amps, 6.3 to 10 Amps, 10 to 16 Amps, 16 to 20 Amps and 20 to 24 Amps.
- 4 Port Option available in 1100 and 1600 Kpa models.

## COMPRESSOR VALVES (Category 4)

### 106SV Adjustable Pressure Relief Valves



Code	Male
04-NSV10604	1/4 BSP
04-NSV10606	3/8 BSP
04-NSV10608	1/2 BSP

Recommended Temperatures : 10°C to 100°C

Minimum Adjustment : 7 Bar / 100 PSI

Maximum Adjustment : 11 Bar / 160 PSI

The 106SV comes set at 11 Bar / 160 PSI with a plastic tamper proof cap for protection.

Relief valves can be ordered at a set pressure. These special valves are pinned and are not adjustable. Please contact the sales office for the available pressure ranges and availability.

These Relief Valves are designed to reset at 40-60% of their set pressure.

### Cold Start Valves



Cold start valves bleed air from the compressor head during the first few pump revolutions, reducing motor starting torque requirements. These valves are especially helpful on oil-lubed pumps that may be subject to low temperatures and low starting voltages, such as a contractor unit that may sit outside overnight and is connected to a long extension cord. They can be installed into any convenient port upstream of the tank check valve.

**Construction:** Brass body and piston, stainless steel spring and fluorocarbon O-ring

Code	Inlet	Closing Pressure	Compressor Range
04-CS12	1/8 NPT	25 psi	1/2-2 HP
04-CS25	1/4 NPT	25 psi	2-5 HP

### Load Genie (Unloading Check Valve)



A compressor running in a "start-stop" mode operates more efficiently if the pressure trapped in the compressor head and discharge line is released after each pump-up cycle. This allows smoother starts and the use of a motor with lower starting torque. The most convenient way to release this trapped pressure is to use **Load Genie®** combination check and unloader valve. Simply install this unique valve in the compressor discharge line, and the **Load Genie®** does the rest.

The **Load Genie®** senses air flow when the compressor is running and closes an unloading orifice port. When airflow stops (such as when the pressure switch turns off the motor), the Load Genie® opens the unloading orifice to release head pressure, and a built-in check valve keeps receiver air from leaking back into the discharge line and compressor head.

Code	Tube	Male
04-NCA12	1/2	3/8 NPT

Code	Female	Male
04-NPA06	1/4 NPT	1/4 NPT
04-NPA12	3/8 NPT	3/8 NPT
04-NPA24	1/2 NPT	1/2 NPT
04-NPA48	3/4 NPT	3/4 NPT

## COMPRESSOR VALVES (Category 4)

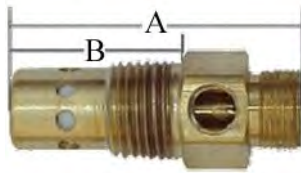
### In Tank Check Valve Bodies

The **Super-Chek®** design has been proven over the last 15 years to be the standard for air compressor in-tank check valves. One-piece brass bodies, stainless steel springs, and glass-filled fluoropolymer poppets all add to long term reliability, while the eight discharge holes ensure quiet operation. The valves can be disassembled for cleaning or repair and are 100% tested for backflow leakage performance.

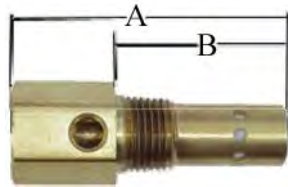
Maximum Pressure 450 psi / 3100 kpa  
Maximum Temperature 204° C / 400° F



**Compression Fitting Inlet**



**Female Thread Inlet**

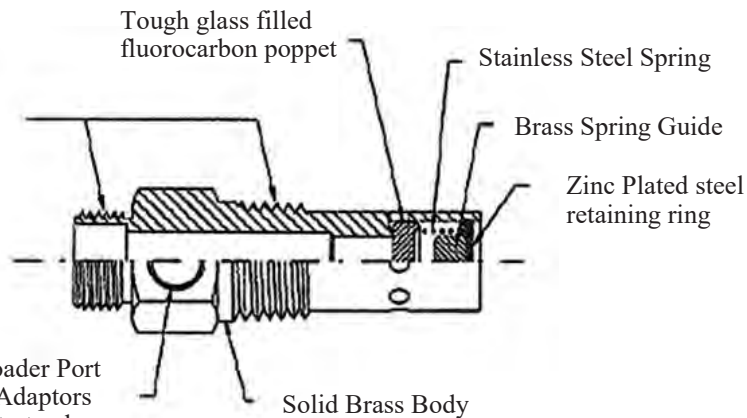


Code	Tube	Male	A (mm)	B (mm)	Hex (mm)
04-NRC3850	3/8	1/2 NPT	73	47.6	22.2
04-NRC5050	1/2	1/2 NPT	73	47.6	22.2
04-NRC7575	3/4	3/4 NPT	89	60.3	28.6
04-NRC7510	3/4	1" NPT	95.2	66.7	33.3

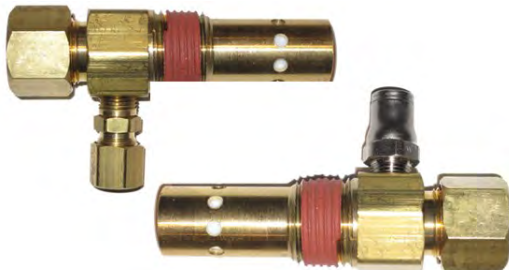
Code	Female	Male	A (mm)	B (mm)	Hex (mm)
04-NRP5050	1/2 NPT	1/2 NPT	76.2	47.6	25.4
04-NRP5075	1/2 NPT	3/4 NPT	88.9	63.5	28.6
04-NRP7575	3/4 NPT	3/4 NPT	82.5	57.1	30.1
04-NRP7510	3/4 NPT	1" NPT	88.9	63.5	33.3
04-NRP1010	1" NPT	1" NPT	98.4	66.6	38.1

Many different inlet and outlet configurations

Available Unloader Port with Optional Adaptors and / or Cold start valve



### In Tank Check Valves Complete



Complete check valves also available supplied with Nut and Olive on Compression Inlet models and Compression or push-in fittings in the unloader port.

Contact the sales office for other combinations.

Code	Male	Inlet	Outlet
04-NRV108	1/2 NPT	1/2 Tube Compression	1/4 Tube Compression
04-NRV109	1/2 NPT	1/2 Tube Compression	1/4 Tube Push-In

## COMPRESSOR VALVES (Category 4)

### 90° Compressor Non Return Valves

Code	Inlet	Outlet	Repair Kit
04-NRV90-06	3/8 Tube (Nut & Olive)	3/8 BSP Male	N/A
04-NRV90-08	1/2 Tube (BSP Flare)	1/2 BSP Male	04-NRV90K-08
04-NRV90-0812	1/2 BSP Flat	3/4 BSP Male	04-NRV90K-08
04-NRV90-12	3/4 Tube (BSP Flare)	3/4 BSP Male	04-NRV90K-12
04-NRV90-12F	3/4 Tube (BSP Flare)	3/4 BSP Female	04-NRV90K-12
04-NRV90-16F	1" Tube (BSP Flare)	1" BSP Female	04-NRV90K-16



- Brass Construction
- Made in Italy
- All Valves supplied with Nut and olive to suit 6mm tube. Contact the sales office if a different tube size is required.
- Flexible metal discharge hose available for 1/2 Non Return Valve.

Code	Length
04-CH08-325	325 mm
04-CH08-550	550mm

### P25 Pilot Valve



The **P25** unloader is an industry standard. Details of construction include a precision machined, forged brass body, brass adjustment screws, and stainless steel ball spring.

Valve cut-in and cut-out pressures are factory set per customer specifications (if no specifications are given, valve is set at standards settings of 95-115 psi). Valve is also field adjustable.

Valve includes a mounting boss, tapped with a 3/8-16 UNC thread, a 1/4 NPT inlet and a 1/8 NPT outlet. Valve comes standard with unloading sleeve for piston engine warm up. Options include a toggle for one-hand unloading, a lock-out thumbscrew for dual control systems, and a 1/4 NPT nipple installed into the inlet port. Maximum cut-out pressure 250 psi, minimum cut-out pressure 60 psi. Maximum temperature 350°F.

**Code : 04-P25**

### Mark III Load Genie



Code	Inlet	Outlet	Repair Kit
04-MK3A	1/2 NPT Female	1/2 NPT Male	04-MK3RK
04-MK3B	1/2 Compression	1/2 NPT Male	04-MK3RK
04-MK3C	1/2 Compression	1/2 Flare	04-MK3RK

The **Mark III Load Genie®** is a self-contained unloading valve and can be used wherever a continuous run compressor is required. The compressor may need to run continuously because the air demand is close to the maximum output of the compressor, or because the compressor is driven by a gasoline or diesel engine.

Since the **Mark III** is a "vent" unloader, no built-in head unloaders are required on the compressor. The **Mark III** contains all components required; the pilot valve, the vent valve and check valve. Simply install the **Mark III** in the discharge line between the compressor and the receiver. Valve cut-in and cut-out pressures factory set per customer specifications. Minimum cut-out pressure is 60 psi and maximum cut-out pressure is 250 psi. If no settings are specified, the valve is set at our standard setting of 115 psi cut-out and 95 psi cut-in. The valve is also field adjustable.

The **Mark III** is suitable for compressors of up to 30 SCFM. Details of construction include forged brass body, brass and zinc-plated steel internal components, stainless steel springs, and glass-filled fluoropolymer poppets.



## BOURKE RELIEF VALVES (Category 4)

Bourke Relief Valves are all of brass construction, with the sealing member being of high tensile brass spherically machined, seating on a softer seat of mating curvature, allowing the sealing faces to be self aligning. The valve is top guided to give unrestricted flow up to the sealing faces. The construction of the valves makes it ideally suited to harsh environments. Bourke Valves are manufactured in accordance with Australia Standards (1271)

Valves are adjusted to within 3% of the set pressure which is stamped on the body and the reseating pressure is set to within 15% of the set pressure. All valves are pressure and leak tested with air.

### Part Numbering System :



# 04-B

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### Type

### Thread

### Pressure

<b>R</b> - Ring Lift Valve	<b>04</b> - 1/4 BSPT
<b>L</b> - Lever Lift Valve	<b>06</b> - 3/8 BSPT
<b>H</b> - High Volume Valve	<b>08</b> - 1/2 BSPT
<b>S</b> - Soft Seat Valve	<b>12</b> - 3/4 BSPT
	<b>16</b> - 1" BSPT
	<b>20</b> - 1.1/4 BSPT
	<b>24</b> - 1.1/2 BSPT
	<b>32</b> - 2" BSPT
	<b>54</b> - 1/4 NPT
	<b>56</b> - 3/8 NPT
	<b>58</b> - 1/2 NPT
	<b>62</b> - 3/4 NPT
	<b>66</b> - 1" NPT
	<b>70</b> - 1.1/4 NPT
	<b>74</b> - 1.1/2 NPT
	<b>82</b> - 2" NPT

<b>035</b> - 242 KPA (35 PSI)
<b>050</b> - 345 KPA (50 PSI)
<b>090</b> - 620 KPA (90 PSI)
<b>100</b> - 690 KPA (100 PSI)
<b>110</b> - 760 KPA (110 PSI)
<b>125</b> - 860 KPA (125 PSI)
<b>150</b> - 1035 KPA (150 PSI)
<b>160</b> - 1100 KPA (160 PSI)
<b>180</b> - 1240 KPA (180 PSI)
<b>200</b> - 1380 KPA (200 PSI)
<b>250</b> - 1725 KPA (250 PSI)
<b>Other</b> - Specify

Certificate of Conformance is available for all valves. Request for a certificate must be made at the time of placing an order, as it cannot be issued at a later date.

Specifications are subject to change without notice.



### Ring Lift Valve

Available from 1/4" to 1/2" in BSPT and NPT.  
Pressure range - 5-250 PSI  
Stainless Steel Spring and Key Ring

1/2" Also available in Nitrile (Soft Seat) between 90 and 200 PSI



### Lever Lift Valve

Available from 1/4" to 1/2" in BSPT and NPT.  
Pressure range - 5-250 PSI  
Stainless Steel Spring and Key Ring  
Zinc Plated Steel Lever.  
Max Temperature 220°C



### High Volume Valve

Available from 1/2" to 2" in BSPT and NPT.  
Max Temperature 220°C  
Manganese Bronze Sealing Member

# BOURKE VALVES

Size	Pressure Range	Spring	Lever	Height (mm)
1/2	50 - 250 PSI	Stainless Steel	Zinc Plated Steel	110
3/4	50 - 250 PSI	Stainless Steel	Zinc Plated Steel	110
1"	50 - 225 PSI	Stainless Steel	Zinc Plated Steel	115
1.1/4	50 - 225 PSI	Stainless Steel	Zinc Plated Steel	125
1.1/2	90 - 200 PSI	Chrome Alloy Steel	Stainless Steel	140
2"	90 - 200 PSI	Chrome Alloy Steel	Stainless Steel	150

## BRASS NEEDLE VALVES (Category 4)



NV104  
Female x  
Female

Code	Female
04-NV10402	1/8 BSP
04-NV10404	1/4 BSP
04-NV10406	3/8 BSP
04-NV10408	1/2 BSP



NV104PM  
Panel Mount  
Female

Code	Female
04-NV104PM02	1/8 BSP
04-NV104PM04	1/4 BSP
04-NV104PM06	3/8 BSP
04-NV104PM08	1/2 BSP



NV105  
Male x  
Male

Code	Female
04-NV10502	1/8 BSPT
04-NV10504	1/4 BSPT



NV40  
Flare x  
Male 90°

Code	Tube	Male
04-NV400402	1/4	1/8 BSPT



NV4  
Compression x  
Compression

Code	Tube
04-NV4-03	3/16
04-NV4-04	1/4



NV404/808  
Male x  
Female

Code	Male	Female
04-NV80802	1/8 BSPT	1/8 BSP
04-NV40404	1/4 BSPT	1/4 BSP



NV41  
Compression  
x Male 90°

Code	Tube	Male
04-NV410302	3/16	1/8 BSPT
04-NV410402	1/4	1/8 BSPT



NV41SO  
Solder-On x  
Male 90°

Code	Tube	Male
04-NV41SO0302	3/16	1/8 BSPT
04-NV41SO0402	1/4	1/8 BSPT
04-NV41SO0404	1/4	1/4 BSPT
04-NV41SO0502	5/16	1/8 BSPT
04-NV41SO0504	5/16	1/4 BSPT



NV43  
Compression  
x Male

Code	Tube	Male
04-NV430604	3/8	1/4 BSPT



NVA50  
Male x  
Male 90°

Code	Male A	Male B
04-NVA5002	1/8 BSPT	1/8 BSPT
04-NVA500402	1/4 BSPT	1/8 BSPT
04-NVA500404	1/4 BSPT	1/4 BSPT



NVP40  
Hose x  
Male 90°

Code	Hose	Male
04-NVP400302	3/16	1/8 BSPT
04-NVP400304	3/16	1/4 BSPT
04-NVP400402	1/4	1/8 BSPT
04-NVP400404	1/4	1/4 BSPT
04-NVP400502	5/16	1/8 BSPT
04-NVP400504	5/16	1/4 BSPT
04-NVP400602	3/8	1/8 BSPT
04-NVP400604	3/8	1/4 BSPT



NVP42  
Hose x  
Male

Code	Hose	Male
04-NVP420302	3/16	1/8 BSPT
04-NVP420404	1/4	1/4 BSPT
04-NVP420504	5/16	1/4 BSPT
04-NVP420604	3/8	1/4 BSPT



NVT3  
Solder-On  
x Male

Code	Hose	Male
04-NVT30302	3/16	1/8 BSPT
04-NVT30404	1/4	1/4 BSPT
04-NVT30504	5/16	1/4 BSPT



NVT7  
Solder-On x  
Solder-On

Code	Tube
04-NVT70303	3/16
04-NVT70404	1/4
04-NVT70505	5/16

**Maximum Working Pressure  
150 psi (1000 kpa)**

**Temperature Rating : 0-120°C**

**Stem O-Ring - Nitrile**

**Suitable for air, water and  
petroleum based products**

## BRASS LEVER TAPS (Category 4)



**CT3**  
Compression  
x Male

Code	Tube	Male
04-CT30402	1/4	1/8 BSPT
04-CT30404	1/4	1/4 BSPT
04-CT30502	5/16	1/8 BSPT
04-CT30504	5/16	1/4 BSPT
04-CT30604	3/8	1/4 BSPT



**DB1**  
Bent Drain  
Cock

Code	Male
04-DB102	1/8 BSPT
04-DB104	1/4 BSPT
04-DB106	3/8 BSPT



**DT3**  
Drain  
Cock

Code	Male
04-DT302	1/8 BSPT
04-DT304	1/4 BSPT
04-DT306	3/8 BSPT



**JT3**  
Hose x  
Male

Code	Hose	Male
04-JT30302	3/16	1/8 BSPT
04-JT30402	1/4	1/8 BSPT
04-JT30502	5/16	1/8 BSPT
04-JT30602	3/8	1/8 BSPT



**L101**  
Flare x  
Flare

Code	Tube
04-L10104	1/4
04-L10106	3/8



**L102**  
Flare x  
Male

Code	Tube	Male
04-L1020402	1/4	1/8 BSPT



**L104**  
Female x  
Female

Code	Female
04-L10402	1/8 BSP
04-L10404	1/4 BSP



**L105**  
Male x  
Male

Code	Male
04-L10502	1/8 BSPT
04-L10504	1/4 BSPT



**L404 / L808**  
Male x  
Female

Code	Male	Female
04-L80802	1/8 BSPT	1/8 BSP
04-L40404	1/4 BSPT	1/4 BSP



**T3 / T6**  
Solder-On x  
Male

Code	Tube	Male
04-T30302	3/16	1/8 BSPT
04-T30402	1/4	1/8 BSPT
04-T30404	1/4	1/4 BSPT
04-T30502	5/16	1/8 BSPT
04-T30504	5/16	1/4 BSPT
04-T60604	3/8	1/4 BSPT
04-T60606	3/8	3/8 BSPT
04-T60808	1/2	1/2 BSPT



**T7-T11**  
Solder-On  
Tube x Tube

Code	Tube
04-T80404	1/4
04-T905	5/16
04-T100606	3/8



**P51**  
Push / Pull  
Sol x Male

Code	Tube	Male
04-P510502	5/16	1/8 BSPT



**P52** Push / Pull  
Solder  
-On

Code	Tube
04-P520404	1/4

## OTHER VALVES



**Tank**  
(Schrader)  
Valve

Code	Male
04-JTV02	1/8 BSPT
04-JTVN02	1/8 NPT



**Tank**  
Valve  
Core

**Code : 04-JTVC**



**#30**  
Drain  
Cock

Code	Male	Type
04-DC3002	1/8 BSPT	T-Bar
04-DC3004	1/4 BSPT	T-Bar
04-DC3006	3/8 BSPT	Hex
04-DC3008	1/2 BSPT	Hex
04-DCN3002	1/8 NPT	T-Bar
04-DCN3004	1/4 NPT	T-Bar
04-DCN3006	3/8 NPT	T-Bar

**PLEASE NOTE :** Brass Lever Taps are not A.G.A. approved and are not suitable for use with any gas.

## TRUCK VALVES (Category 4)



V404  
Truck Valve  
Hose x Male 90°

Code	Hose	Male
04-V404P-6-6	3/8	3/8 NPT
04-V404P-10-6	5/8	3/8 NPT
04-V404P-10-8	5/8	1/2 NPT
04-V404P-12-6	3/4	3/8 NPT
04-V404P-12-8	3/4	1/2 NPT



V405  
Truck Valve  
Male x Female 90°

Code	Male	Female
04-V405P-6-6	3/8 NPT	3/8 NPT
04-V405P-8-8	1/2 NPT	1/2 NPT



V409  
Truck Valve  
Flare x Male 90°

Code	Tube	Male
04-V409F-8-8	1/2	1/2 NPT
04-V409F-10-8	5/8	1/2 NPT



V412  
Truck Valve  
Male x Flare 90°

Code	Male	Tube
04-V412F-10-8	1/2 NPT	5/8



Drain Valve with Cord

Code	Male Thread	Cord Length	Overall Height	Body Height	Hex Size
04-DV1421	1/4 NPT	60"	1.82	0.78	0.82