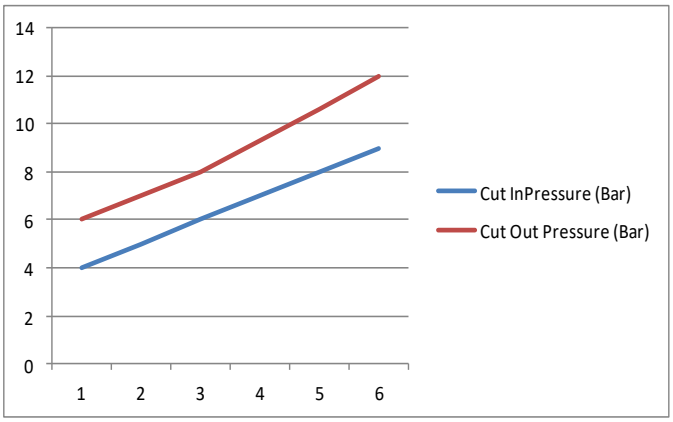
PRESSURE SWITCHES (Category 4)

NEMA TYPE PRESSURE SWITCHES



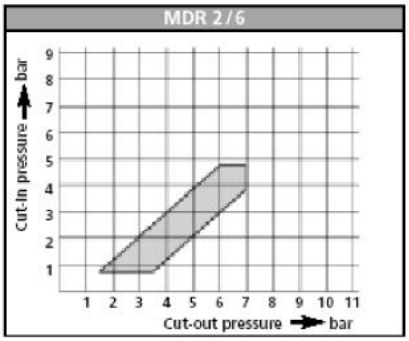
- 1/4" BSP Thread
- 6mm Tube Connections
- Voltage: 220V
- Max Current: 16 Amps
- Standard Cut in Pressure: 6 Bar. Adjustable from 4-9 Bar.
- Standard Cut out Pressure: 8 Bar. See chart below for Cut-Out pressures if Cut-In pressure is adjusted.
- Control Accuracy: ±0.03 Bar
- Working Temperature: -25°C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

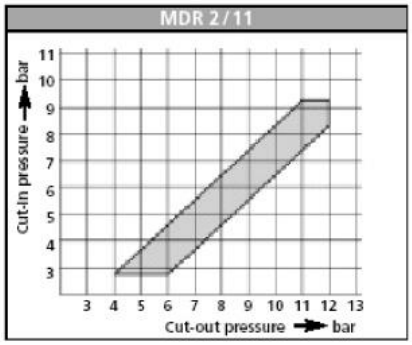


Code	Description
04-AD1-B	Single Port Pressure Switch. Compression
04-AD1-P	Single Port Pressure Switch. Push-In
04-AD4-B	4 Port Pressure Switch. Compression
04-AD4-P	4 Port Pressure Switch. Push-In

CONDOR PRESSURE SWITCHES

MDR2 Series - Single Phase
1/4 BSP Female Ports
Switching Capacity - 2.2 KW
Rated to 16A @ 240V AC







Code	Unloader	ON/OFF SWITCH	PORTS	Cut Out Pressure
04-MDR2/600			1	150-700Kpa
04-MDR2/11003	1/4 Str Compression	✓	1	400-1200Kpa
04-MDR2/11006	1/4 Str Compression	✓	4	400-1200Kpa
04-MDR2/11007	6mm 90° Push-in	✓	4	400-1200Kpa

MDR4S Series - 3 Phase
1/4 BSP Female Connections
Switching Capacity - 4.0/5.5kW
Rated to 16A @ 400V AC / 9A



Code	Unloader	ON/OFF SWITCH	PORTS	Cut Out Pressure
04-MDR4S/11003			1	400-1100Kpa
04-MDR4S/11006	1/4 Str Compression	✓	1	400-1100Kpa

CONDOR PRESSURE SWITCHES (Category 4)

MDR3 Series - 3 Phase
1/4 BSP Female Connections
Switching Capacity -
7.5kW (11) / 20HP

- 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.



Code	Unloader	ON/OFF SWITCH	PORTS	Cut Out Pressure	Thermal Overload	RM Diaphram
04-MDR3/11006	1/4 90° Compression	✓	1	400-1000Kpa	6.3-10A	Yes
04-MDR3/11007	1/4 90° Compression	✓	1	400-1000Kpa	10-16A	Yes
04-MDR3/11008	1/4 90° Compression	✓	1	400-1000Kpa	16-20A	Yes
04-MDR3/11009	1/4 90° Compression	✓	1	400-1000Kpa	20-24A	Yes
04-MDR3/11020	1/4 Str Compression	✓	1	400-1100Kpa	4.0-6.3A	
04-MDR3/11021		✓	1	400-1100Kpa		
04-MDR3/11022	1/4 Str Compression	✓	1	400-1100Kpa	10-16A	
04-MDR3/11031	6mm 90° Push-in	✓	4	400-1100KPA	6.3-10A	
04-MDR3/11032	6mm 90° Push-in	✓	4	400-1100Kpa	10-16A	
04-MDR3/11037	6mm 90° Push-in	✓	1	600-1600Kpa	10-16A	
04-MDR3/16002	1/4 Str Compression	✓	4	600-1600Kpa		

MDR5 Series - 3 Phase
1/2 BSP Female Connections
Switching Capacity - 5.5kW
Rated to 16A @ 400V AC / 12A

SPARE PARTS ALSO AVAILABLE



Code	Unloader	ON/OFF SWITCH	PORTS	Cut Out Pressure	Thermal Overload
04-MDR5/1100			1	200-1100Kpa	
04-MDR5/1100K/10.3		✓	1	200-1100Kpa	6.1-10.3A
04-MDR5/1100K/7.0		✓	1	200-1100Kpa	4-7A
04-MDR53/1600			1	600-1600Kpa	

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 : 10ºC to 100ºC
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.

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

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.

COMPRESSOR VALVES (Category 4)

In Tank Check Valve Bodies



04-NRC7575
04-NRC7510

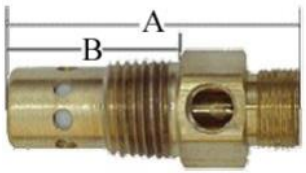
The **Super-Chek®** design has been proven over the last 15 years to be the standard for air compressor in-tank check valves. One-piece brass bodies, stainless steel springs, and glass-filled fluoropolymer poppets all add to long term reliability, while the eight discharge holes ensure quiet operation. 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 204º C / 400° F



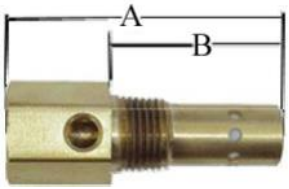
04-NRC5050

Compression Fitting Inlet

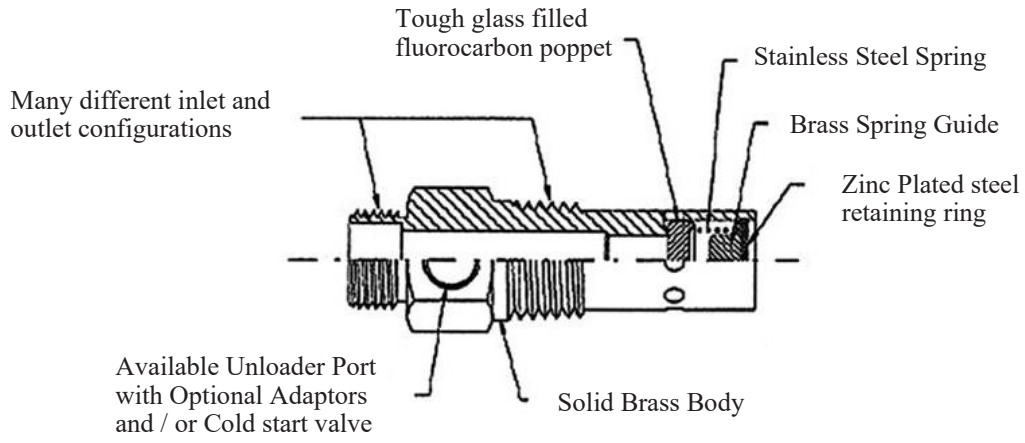


Code	Tube	Male	A (mm)	B (mm)	Hex (mm)
04-NRC5050	1/2	1/2 NPT	73	47.6	22.2
04-NRC7575	3/4	3/4 NPT	89	60.3	28.6
04-NRC7510	3/4	1" NPT	95.2	66.7	33.3

Female Thread Inlet



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





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)

90º 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-NRV90-16F	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



Code : 04-P25

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 ¼ 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 a¼ NPT nipple installed into the inlet port. Maximum cut-out pressure 250 psi, minimum cut-out pressure 60 psi. Maximum temperature 350°F.

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 reciever. 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.

COMPRESSOR VALVES (Category 4)

Mark II Load Genie



Code : 04-MK2

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

Since the Mark II is a "vent" unloader, no built-in head unloaders are required on the compressor. The Mark II contains all components required: the pilot valve, the vent valve, and a check valve. Simply install the Mark II in the discharge line between the compressor and receiver.

Valve cut-in and cut-out pressures are factory set per customer specifications. Minimum cut-out pressure is 60 PSI (415 kPa) and maximum cut-out pressure is 250 PSI (1725 kPa). The valve is also field adjustable. Details of construction include a forged brass body, brass and zinc-plated steel internal components, stainless steel springs, and glass filled fluropolymer poppets.

Suitable for applications up to 20 SCFM.

1/2 NPT Female inlet with 1/2 NPT Male Outlet and 3/8 NPT Female vent outlet.

Mark IV Load Genie



Code : 04-MK4

The Mark IV Load Genie continues in the traditions of the original Mark II and the Mark III. The Mark IV combines all components required for a continuous run compressor application: the pilot valve, the vent valve, and the check valve. Since the Mark IV is a "vent" unloader, built-in compressor head unloaders are not required.

The compact size and the combination of straight-through or 90° flow design of the Mark IV make installation easy. Simply install the Mark IV into the air receiver and attach the compressor discharge line to the valve inlet. The Mark IV is suitable for compressors of up to 30 SCFM delivery.

Cut-in and cut-out pressure settings are factory set to 109 psi (751 kPa) cut-in and 138 psi (951 kPa) cut-out. Minimum cut-out pressure is 60 PSI (415 kPa) and maximum cutout pressure is 250 PSI (1725 kPa). The valve is also field adjustable.

Details of construction include a forged brass body, zinc plated steel internal components, fluorocarbon piston ring, stainless steel springs, and a glass filled fluropolymer check valve poppet.

1/2 NPT Female inlet with 1/2 NPT Male Outlet and 3/8 NPT Female vent outlet.

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.

AUSTRALIAN MADE

Part Numbering System :

04-B [ ] [ ] - [ ]

Type	Thread	Pressure
R - Ring Lift Valve	**04** - 1/4 BSPT	**035** - 242 KPA (35 PSI)
L - Lever Lift Valve	**06** - 3/8 BSPT	**050** - 345 KPA (50 PSI)
H - High Volume Valve	**08** - 1/2 BSPT	**090** - 620 KPA (90 PSI)
S - Soft Seat Valve	**12** - 3/4 BSPT	**100** - 690 KPA (100 PSI)
	16 - 1" BSPT	**110** - 760 KPA (110 PSI)
	20 - 1.1/4 BSPT	**125** - 860 KPA (125 PSI)
	24 - 1.1/2 BSPT	**150** - 1035 KPA (150 PSI)
	32 - 2" BSPT	**160** - 1100 KPA (160 PSI)
	54 - 1/4 NPT	**180** - 1240 KPA (180 PSI)
	56 - 3/8 NPT	**200** - 1380 KPA (200 PSI)
	58 - 1/2 NPT	**250** - 1725 KPA (250 PSI)
	62 - 3/4 NPT	**Other** - Specify
	66 - 1" NPT	
	70 - 1.1/4 NPT	
	74 - 1.1/2 NPT	
	82 - 2" NPT	

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 220ºC



High Volume Valve

Available from 1/2" to 2" in BSPT and NPT.
Max Temperature 220ºC
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	Body
04-NV10402	1/8 BSP	Brass
04-NV10404	1/4 BSP	Brass
04-NV10406	3/8 BSP	Brass
04-NV10408	1/2 BSP	NPB



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



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

Maximum Working Pressure 150 psi (1000 kpa)

Temperature Rating : 0-120ºC

Stem O-Ring - Nitrile

Suitable for air, water and petroleum based products



NV41
Compression
x Male 90º

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



NV41SO
Solder-On x
Male 90º

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 90º

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 90º

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

DRAIN COCKS



#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



High Pressure Stainless Steel Valves also available. Please contact the sales office with your requirements

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



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



L104 Female x Female

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



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

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

SCHRADER VALVES (Category 4)



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

Bulkhead Schrader Valves

Commonly used for air suspension inflation.
DOT Tube ends.



Code	Tube Size
04-DBSV04	1/4
04-DBSV06	3/8

TRUCK VALVES (Category 4)



V404
Truck Valve
Hose x Male 90º

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 90º

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 90º

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 90º

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"	30.2mm	9.6mm	19mm
04-DVM2221	M22x1.5	60"	50.6mm	28mm	27mm



04-TPM16
04-TPN04
04-TPN06



04-TPA-N

Test Point Adaptors

For connecting testing equipment to check air brake systems. Complete with cap.

Code	Thread
04-TPM16	M16x1.5 Male
04-TPN04	1/4 NPT Male
04-TPN06	3/8 NPT Male
04-TPA-N	1/4 NPT Female x M16x1.5 Female