

- Your Partners In Progress -



- Connecting You To Future -

- BENGALURU

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One Touch Fittings

New Generation - 3600 Series

- ▶ Tube Sizes : 4, 6, 8, 10, 12, 14 and 16 mm OD tubing's
- ▶ Thread Sizes : M5, R1/8, R1/4, R3/8 and R1/2
- ▶ 40 different model configuration
- ▶ Made from brass body and high quality PA and POM grade raw material
- ▶ Fast and instant connection / removal of tubes
- ▶ Bubble tight sealing

Push On Two Touch Fittings

New Generation - 1800 Series

- ▶ Tube Sizes : 3, 4, 6, 8, 10 and 12 mm ID tubing's
- ▶ Thread Sizes : M5, G1/8, G1/4, G3/8 and G1/2
- ▶ 13 different model configuration
- ▶ Made from aluminum and brass raw material
- ▶ Bubble tight sealing



Polyurethane Tubes

New Generation - VPU (ID Based) and PNU (OD Based) Series

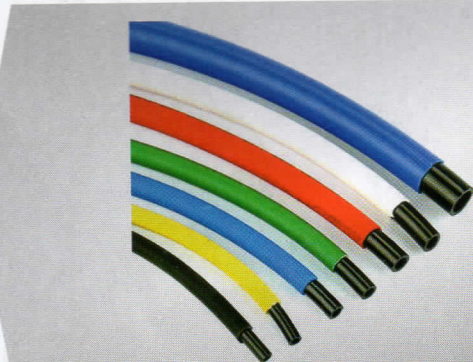
- ▶ Ultra softness enables to display excellent efficiency in piping.
- ▶ Outstanding anti-weather, anti-curve and anti-fatigue properties
- ▶ Available ID VPU Series : 2.5, 4, 6, 8, 9, 10 and 12mm
- ▶ Available OD PNU Series : 4, 6, 8, 10, 12, 14 and 16mm
- ▶ Available Colours : Blue, Yellow, Black, Red, Green, Transparent and Milky White
- ▶ Customised Colours available on request with minimum order quantity



Anti-Spatter Polyurethane Tubes

New Generation - PNU - VO Series

- ▶ Ultra softness enables to display excellent efficiency in piping.
- ▶ Outstanding anti-weather, anti-curve and anti-fatigue properties
- ▶ Suitable for welding applications
- ▶ Available OD : 6, 8, 10 and 12mm
- ▶ Available Colours : Blue, Yellow, Black, Red, Green and White
- ▶ Customised Colours available on request with minimum order quantity

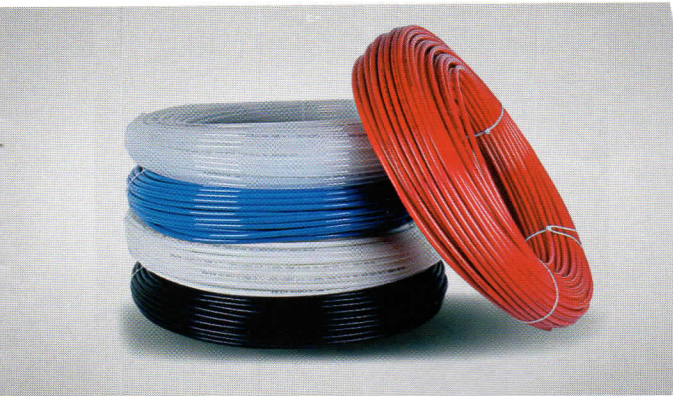


Polyurethane Coiled Hoses

New Generation - PUCH Series

- ▶ Easy to use where space is restricted due to highly compact diameter of recoil
- ▶ Good Resistance to shock and abrasion.
- ▶ Full Flow due to straight ends equipped with different types of fittings.
- ▶ Tube Sizes : 4, 6, 8, 10, 12, 14 and 16 mm OD tubing's
- ▶ Available Working Length (Mtrs) : 1.5, 2, 3, 4, 5, 6, 8, 10, 12, 15 & 20
- ▶ Standard Colours : Blue and Yellow
- ▶ Customised Coil Dia and Colours available on request with minimum order quantity





Nylon Tubes

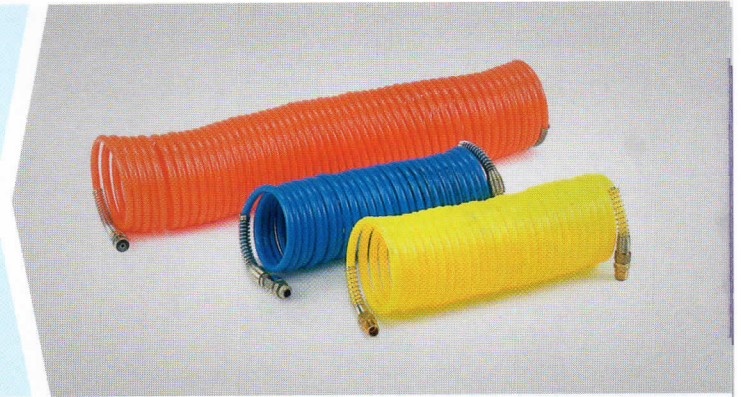
New Generation - PA6 and PA12 Series

- ▶ Applicable for multipurpose piping for Air, Water, Oil & Chemical
- ▶ Superior anti-pressure, anti-vibration, anti-rust, anti-heat, anti-chemical and anti-oil
- ▶ Light weight and softness enables to increase the productivity of piping works.
- ▶ Available ID : 2, 2.5, 4, 4.35, 6, 8, 10 and 12mm
- ▶ Available OD : 4, 5, 6, 8, 10, 12, 14 and 16mm
- ▶ Standard Colours : Natural White and Black
- ▶ Customised Colours available on request with minimum order quantity

Nylon Coiled Hoses

New Generation - NYCH Series

- ▶ Easy to use where space is restricted due to highly compact diameter of recoil
- ▶ Good Resistance to shock and abrasion.
- ▶ Full Flow due to straight ends equipped with different types of fittings.
- ▶ Tube Sizes : 4, 6, 8, 10, 12, 14 and 16 mm OD tubing's
- ▶ Available Working Length (Mtrs) : 3, 4, 5, 6, 8, 10 and 12
- ▶ Standard Colours : Blue and Yellow
- ▶ Customised Coil Dia and Colours available on request with minimum order quantity



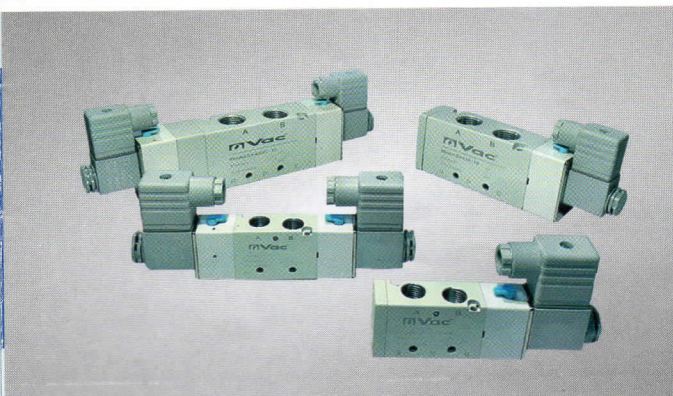
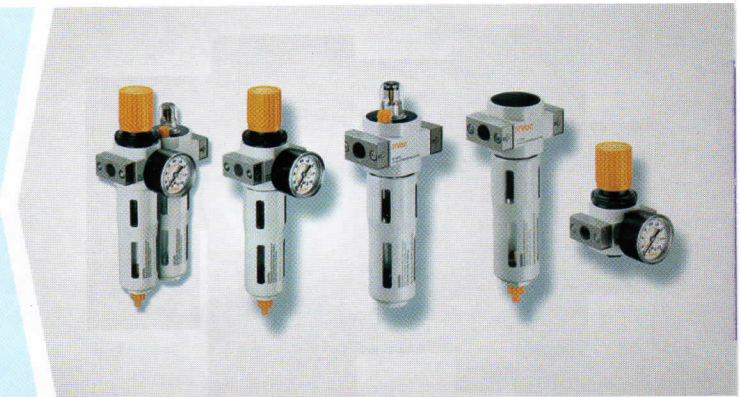
Brass Reducers and Nipples

- ▶ Thread Sizes : M5, G1/8, G1/4, G3/8, G1/2, G3/4 and G1
- ▶ Wide range available
- ▶ Made from brass raw material
- ▶ Configuration : Hex Nipple, Reducing Nipple, Female Tee, Male Tee, Female Elbow, Male Elbow, Male Hose Nipple, Female Hose Nipple, Elbow Male Hose Nipple, Pipe Coupling, Hex Blanking Plug and Hose Nipple Nut Set

Air Control Units (FRL)

New Generation - O Series

- ▶ Thread Sizes : M5, G1/8, G1/4, G3/8, G1/2, G3/4 and G1
- ▶ Combination Units - Filter Regulator + Lubricator, Filter Regulator, Air Regulator, Air Lubricator, Air Filter and Micro Filter
- ▶ Modular units for easy maintenance
- ▶ Accessories : Wall and Panel Mounting brackets, connecting nipples and pressure gauges
- ▶ Automatic drain (internal)
- ▶ Precision Regulators : G1/8, G1/4, G1/2



Compact Solenoid Valves

New Generation - 5V Series

- ▶ Thread Sizes : M5, G1/8, G1/4, G3/8 and G1/2
- ▶ 3/2 NO, NC and 5/2 external pilot operated, single and double solenoid operated versions
- ▶ 5/3 external pilot operated and double solenoid operated spring centered versions
- ▶ Suitable for manifold mounting
- ▶ Wide range of manifolds available
- ▶ Wide range of coil voltages
- ▶ Solenoid connectors conforms to DIN 43650 standards



2/2 Way-Direct Acting



2/2 Way-Diaphragm Operated

Direct Operating and Diaphragm Operated Valves

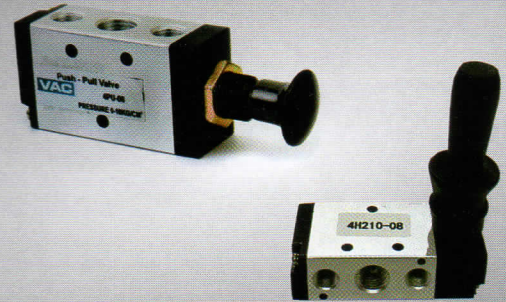
New Generation - 2W Series

- ▶ Thread Sizes : G1/4, G3/8, G1/2, G3/4, G1, G1 1/4, G1 1/2 and G2
- ▶ 2/2 version
- ▶ Application : Air and Water
- ▶ Body Material : Brass
- ▶ Available in round coil as well as in DIN type
- ▶ Coil voltage : 24V DC and 220V AC, other coil voltage available on order

Compact Manually Operated Valves

New Generation - 5V Series

- ▶ Thread Sizes : G1/4 and G1/2
- ▶ 3/2 and 5/2 Hand lever and Push pull versions
- ▶ 5/3 Hand lever operated spring centered versions
- ▶ Suitable for panel mounting
- ▶ Mounting provision for individual unit



Compact Mechanical Valves

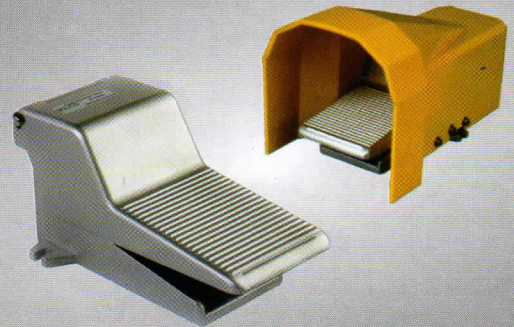
New Generation - DOV Series

- ▶ Spool design
- ▶ Thread Sizes : G1/8 and G1/4
- ▶ Port position available 3/2 and 5/2
- ▶ Panel mounting type
- ▶ Mounting provision for individual unit
- ▶ Actuation : Roller Lever, Palm latching, Lever Actuator, Turning Actuator, Palm Actuator and Palm Button

Food Operated Valves - G1/4

New Generation - 4F Series

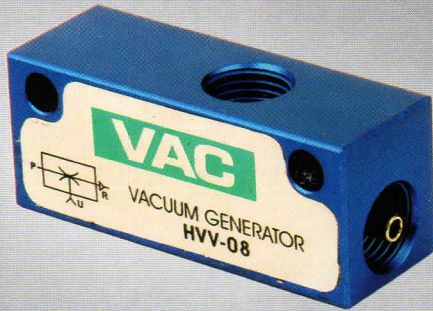
- ▶ Thread Sizes : G1/4
- ▶ 3/2 and 5/2 versions
- ▶ Foot operated valves with lock and guard version available



Airline Valves

- ▶ Thread Sizes : G1/8, G1/4, G3/8 and G1/2
- ▶ Flow control valves (ASC, KLA Series)
- ▶ Hand slide valves (HSV Series)
- ▶ Quick Exhaust valves (QEV, XQ Series)
- ▶ Non return valves (CV Series)
- ▶ Shuttle valves (KV Series)





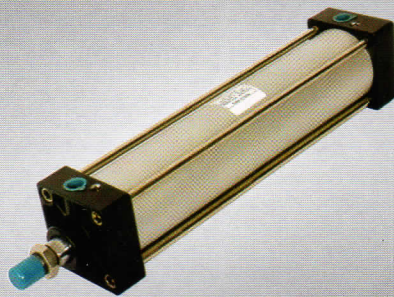
Vacuum Generator

- ▶ Thread Sizes : G1/4 and G3/8
- ▶ Final vacuum : - 91.8 kPa (-690mmHg)
- ▶ Hard anodised aluminum body

Air Silencers

New Generation - BSL, BSLM, BESL and PSU Series

- ▶ Thread Sizes : M5, G1/8, G1/4, G3/8, G1/2, G3/4, G1 and G2
- ▶ Type : Conical, Button and Silencer cum flow control with lock nut
- ▶ Good Flow and Silencing Characteristics
- ▶ Brass Body and Sintered Bronze silencer elements
- ▶ PSU Series in plastic body with porous silencing material



Standard Tie-rod Cylinders - VSC Series

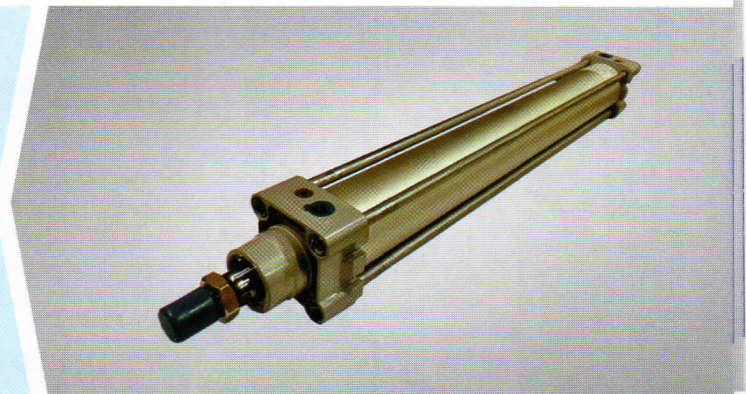
Double Acting (VSC-S-Magnetic, VSC-Non Magnetic)

- ▶ Bore Sizes : Ø32, 40, 50, 63, 80, 100, 125, 160 and 200
- ▶ Standard Strokes up to 500mm, longer strokes on request
- ▶ Adjustable cushioning at both ends
- ▶ Wide varieties of standard mountings and accessories
- ▶ Double ended cylinders - Series VSC-S-D, VSC-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads

Standard Tie-rod Cylinders - VSNC Series

Double Acting (VSNC-S-Magnetic, VSNC-Non Magnetic)

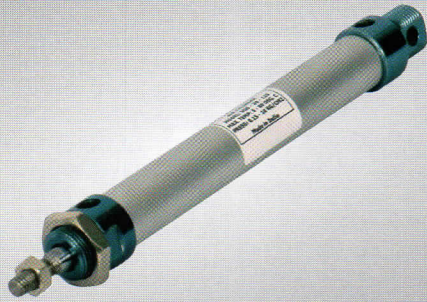
- ▶ Conforms to ISO 15552 / VMDA 24562 standards
- ▶ Bore Sizes : Ø32, 40, 50, 63, 80, 100 and 125
- ▶ Standard Strokes up to 500mm, longer strokes on request
- ▶ Adjustable cushioning at both ends
- ▶ Wide varieties of standard mountings and accessories
- ▶ Double ended cylinders - Series VSNC-S-D, VSNC-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads



Standard Profile Cylinders - VNC Series

Double Acting (VNC-S-Magnetic, VNC-Non Magnetic)

- ▶ Conforms to ISO 15552 / VMDA 24562 standards
- ▶ Bore Sizes : Ø32, 40, 50, 63, 80, 100 and 125
- ▶ Standard Strokes up to 500mm, longer strokes on request
- ▶ Adjustable cushioning at both ends
- ▶ Wide varieties of standard mountings and accessories
- ▶ Double ended cylinders - Series VNC-S-D, VNC-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads



Standard Miniature Cylinders - VGS Series

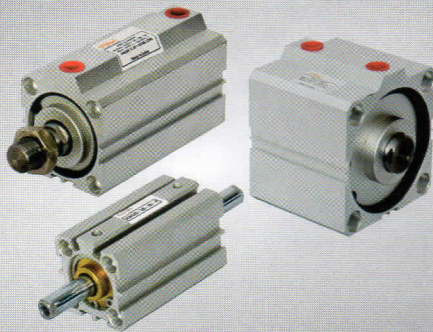
Double Acting (VGS-S-Magnetic, VGS-Non Magnetic)

- ▶ Bore Sizes : Ø16, 20, 25, 32 and 40
- ▶ Standard Strokes up to 500mm, longer strokes on request
- ▶ Wide varieties of standard mountings and accessories
- ▶ Double ended cylinders - Series VGS-S-D, VGS-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads
- ▶ Single acting cylinders available on order

Standard Miniature Cylinders - VSNU Series

Double Acting (VSNU-S-Magnetic)

- ▶ Conforms to ISO 6432 and CETOP standards
- ▶ Bore Sizes : Ø8, 10, 12, 16, 20, 25 and 32
- ▶ Standard Strokes up to 500mm, longer strokes on request
- ▶ Wide varieties of standard mountings and accessories
- ▶ Double ended cylinders - Series VSNU-S-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads
- ▶ Single acting cylinders available on order



Compact Cylinders - VDVU Series

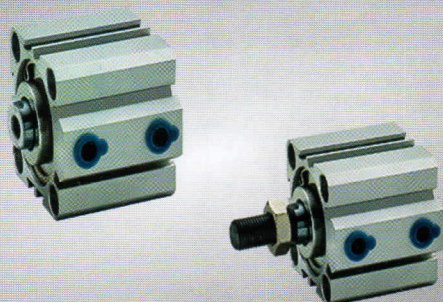
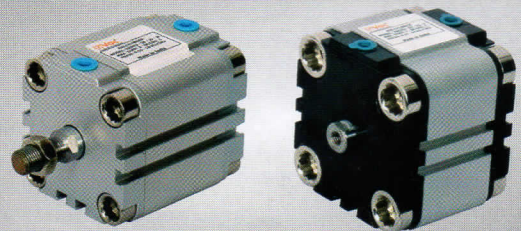
Double Acting (VDVU-S-Magnetic, VDVU-Non Magnetic)

- ▶ Bore Sizes : Ø12, 16, 20, 25, 32, 40, 50, 63, 80 and 100
- ▶ Standard Strokes up to 100mm, longer strokes on request
- ▶ Double ended cylinders - Series VDVU-S-D, VDVU-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads
- ▶ Single acting cylinders available on order
- ▶ Available with Male and Female threads option on piston rod

Compact Cylinders - VADVU Series

Double Acting (VADVU-S-Magnetic, VADVU-Non Magnetic)

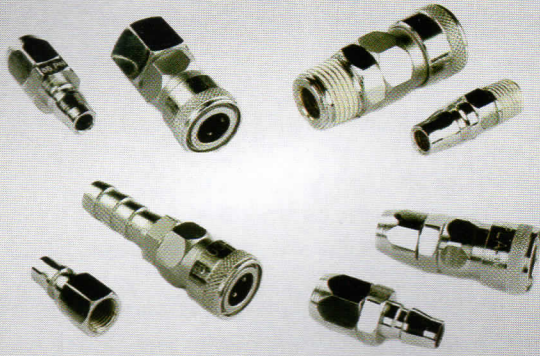
- ▶ Conforms to ISO 21287 standards
- ▶ Bore Sizes : Ø16, 20, 25, 32, 40, 50, 63, 80 and 100
- ▶ Standard Strokes up to 100mm, longer strokes on request
- ▶ Double ended cylinders - Series VADVU-S-D, VADVU-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads
- ▶ Single acting cylinders available on order
- ▶ Available with Male and Female threads option on piston rod



Compact Cylinders - VCQ2 Series

Double Acting (VCQ2-S-Magnetic, VCQ2-Non Magnetic)

- ▶ Bore Sizes : Ø16, 20, 25, 32, 40, 50, 63, 80 and 100
- ▶ Standard Strokes up to 100mm, longer strokes on request
- ▶ Double ended cylinders - Series VCQ2-S-D, VCQ2-D
- ▶ Custom cylinders are available as are non-standard strokes, rod extensions and special rod threads
- ▶ Single acting cylinders available on order
- ▶ Available with Male and Female threads option on piston rod



Quick Release Couplers - Pneumatic

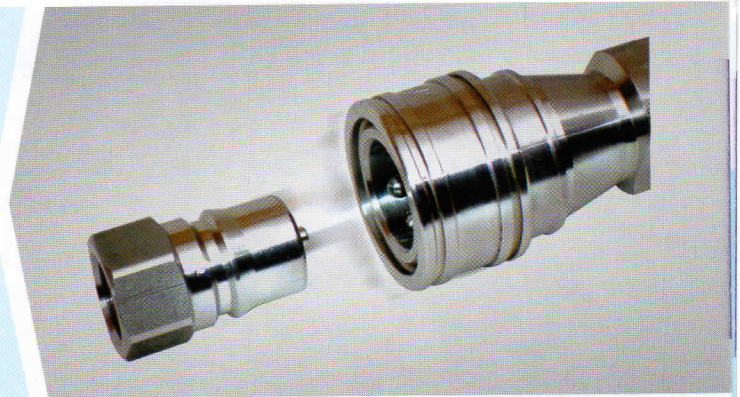
New Generation Hi - Couplers

- ▶ Uni-directional shut-off coupler with an automatic shut-off valve built in the socket
- ▶ An excellent general purpose coupler for connecting factory air supply to pneumatic tool hose.
- ▶ Important structural parts of steel models are hardened for added strength. Extremely wear resistant and durable
- ▶ Available in various body materials, sizes and connection types to suit a wide range of applications

Quick Release Couplers - Medium Pressure

New Generation SK Series

- ▶ Two way shut-off with an automatic shut-off valve incorporated into both the socket and the plug
- ▶ Automatic shut-off valves in socket and plug provide an instant. Perfect seal when coupler is disconnected. (No fluid loss or mixing of air when connecting or disconnecting the plug.)
- ▶ Variety of body materials, Packing can be selected according to fluid type
- ▶ Highly accurate machining technology creates an extremely tight seal Designed for a wide variety of applications



Quick Release Couplers - Hi Pressure up to 210 Kg/cm²

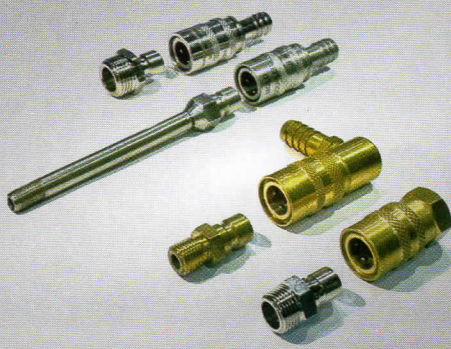
New Generation HK Series

- ▶ Two way shut-off coupler constructed of a special high-grade steel
- ▶ Vibration and Impact resistant, together with an extremely low pressure loss, makes this coupler ideal for high pressure hydraulic systems
- ▶ Heat treated to resist hydraulic / mechanical shock and specially treated threads protect against cracking caused by over-tightening

Quick Release Couplers - Straight Through

New Generation ST Series

- ▶ Valveless construction drastically saves pressure loss and achieves high flow rate.
- ▶ Suitable for high viscosity fluids (such as grease)
- ▶ Available in various standard body materials, sizes and end configurations to cope with diversified applications and operating situations.



Quick Release Couplers - Mold Couplers

New Generation JF Series

- ▶ The plugs and sockets provide quick connect and disconnect method of changing heating and cooling hoses to the mold as well as, from water manifolds or supply sources
- ▶ Mold couplers are designed for used with plastic molds and die cast dies in water, air or oil lines
- ▶ Available in combination of brass and stainless steel raw material
- ▶ 100% leak proof connections with having a maximum rated capacity of 13 bar and withstand temperatures of up to 200°C



Quick Release Couplers - Camlock

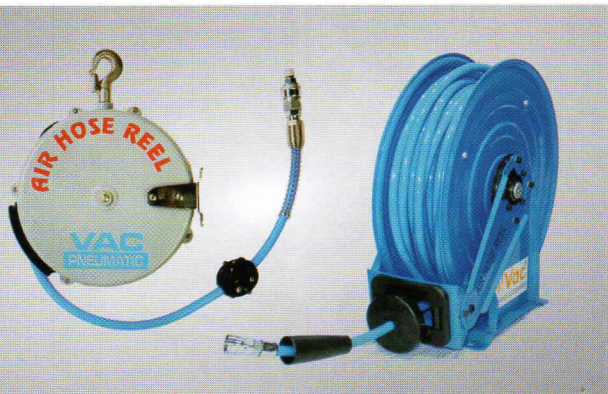
New Generation

- ▶ This coupler complies with diversified applications in liquid or gas transportation
- ▶ End-face seal structure enables no bumps or hollows on the internal fluid passage, and ensures smooth fluid transportation
- ▶ Light lever pull-down will connect the plug and socket without fail ready to flow liquid or gases
- ▶ The variety of body materials, sizes and end configurations has been standardised to comply with wide range of applications

Spring Balancer

New Generation - VSM, VCB and VEW Series

- ▶ Fatigue less works and improved production efficiency.
- ▶ Available in capacities ranging from as low as 0.5kg up to maximum 120kg capacity
- ▶ The fall arrest device in provide against tool drop cause by spring breakage
- ▶ Secondary support hanger is available on every model.



Hose Reels - Air / Water / Oil

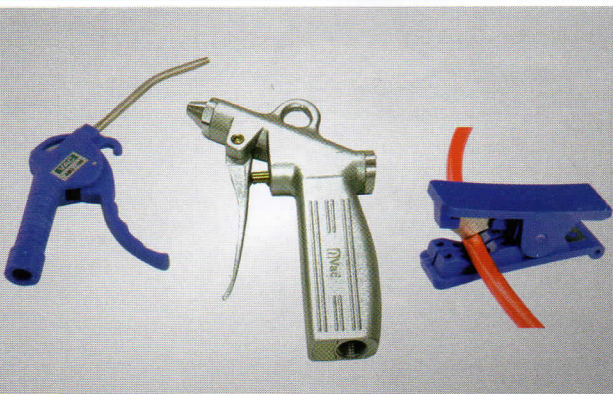
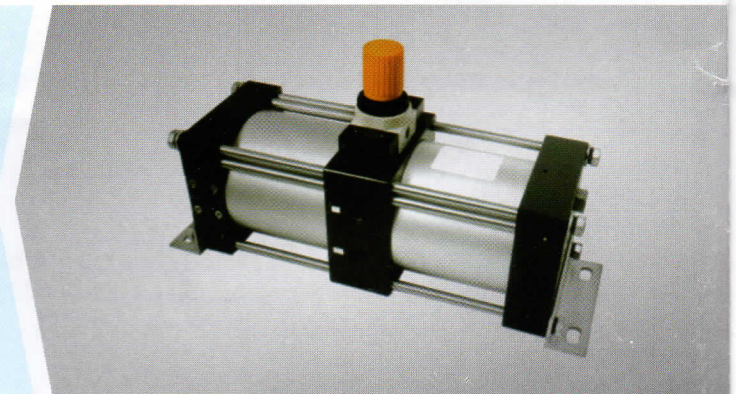
New Generation

- ▶ An included spring works to retract a hose into the device automatically
- ▶ A contained hose solves the short of air consumption for air tool owing to a large inner diameter
- ▶ A ratchet system applied for the device can keep a tool suspended at any position on the hose travel where you want
- ▶ Available in both closed body construction as well as open body

Air Booster

New Generation - FHBA Series

- ▶ FHBA Air Booster Uses a single air control non-equilibrium gas distribution valve to achieve reciprocating motion for the pump.
- ▶ Designed to solve the problem for low pressure of compressed air with the features of small size, long life, high stability, no electricity and easy maintenance
- ▶ Available in boost ratio of 1:2 and 1:4
- ▶ Minimum Air Pressure : 2 to 8 bar
- ▶ Maximum Air Pressure : 16 bar (1:2) and 32 bar (1:4)
- ▶ Displacement volume per stroke : 942 cc (1:2) and 295 cc (1:4)



Air Blow Gun & Tube Cutter

- ▶ Air Blow Gun available in plastic and aluminum body
- ▶ Tube cutter available for size ranging from 4 mm to 16 mm