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**JANATICS**

## POWERING PROGRESS ACROSS THE GLOBE



AIR CYLINDERS



AIR PREPARATION UNITS



DIRECTIONAL CONTROL VALVES



ONE TOUCH FITTINGS

PRESENCE IN OVER **42 COUNTRIES** | OWN SUBSIDIARIES IN **USA, GERMANY AND UAE**

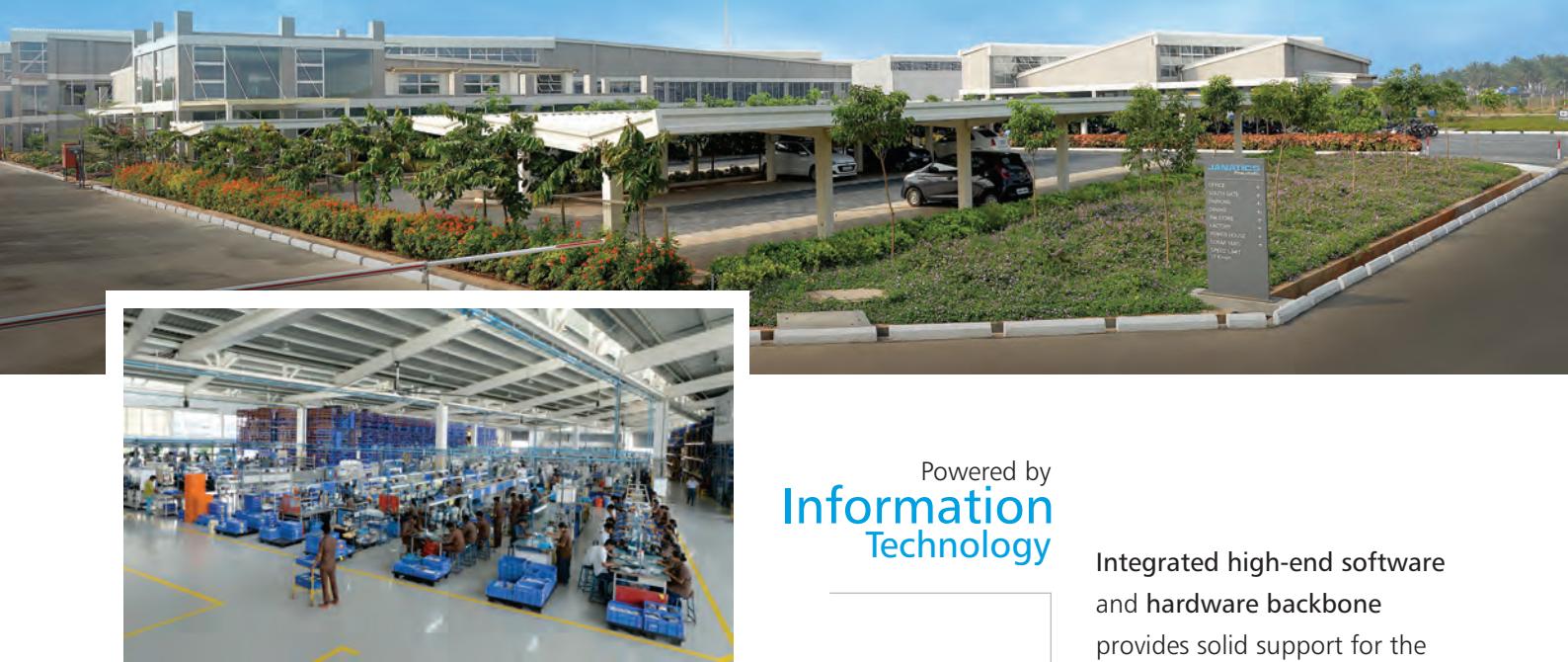
# JANATICS

Over  
**4 Decades**  
of Excellence in  
**Pneumatics**

Janatics is a leading manufacturer of pneumatic products in India. The company is located in Coimbatore, one of the most industrialized cities in India.

Established in the year 1977, the professionally managed ISO 9001:2008 & ISO 14001:2015 & 45001:2018 certified company has been serving the industry for over 4 decades

We cater to more than 25000 OEMs globally. A network of over 200 channel partners ensures prompt availability of products and services.

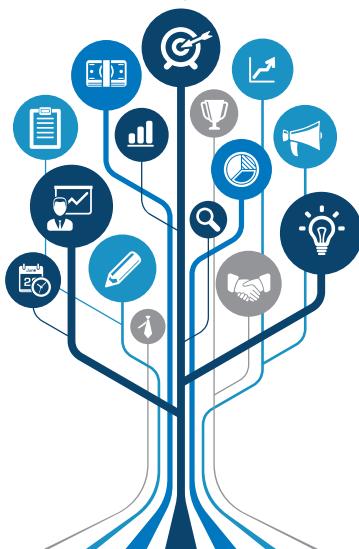


## Best-in-class infrastructure

Spread across 130,000 square metres, the core manufacturing facility in Coimbatore, India, is equipped with cutting-edge machinery and supported by best-in-class infrastructure that includes an exclusive casting facility with cutting-edge pressure die casting equipment, CNCs, machining centres, and special purpose machinery.

Powered by  
**Information  
Technology**

Integrated high-end software and hardware backbone provides solid support for the smooth functioning of data workflow systems.



# WHY CHOOSE JANATICS

- High quality and reliable product
- Wide range of products
- Prompt customer service
- Automated and flexible production lines
- Exporting to over 42 countries

**Apart from standard pneumatic products, Janatics manufactures customized and value-added pneumatic products tailored to meet the specific application needs, thus saving precious time and other valuable resources of customer.**

## Prompt & Reliable Service

A strong network of channel partners and reliable customer service and support team enable us to provide excellent customer service. Augmented manufacturing facilities in Ahmedabad and Noida help us to handle rush order requirements in the respective regions.

### AIR CYLINDERS

**ISO Standard Cylinders**  
Double Acting (A27 - Magnetic, A28 Non Magnetic)

| ISO 15552/VDMA 24562 Standard | Bore Size: ø32,40,50,63,80,100 mm | Standard Stroke up to 500 mm, longer strokes on request | Adjustable cushioning at both ends | Double ended cylinders - Series A25, A26

Optional: | High-performance cylinder with viton seals for maximum temperature resistance up to 150° | Stainless Steel Piston rod

**ISO Standard Cylinders**  
Double Acting (A16 Non Magnetic, A17 Magnetic)

| ISO 15552/VDMA 24562 Standard | Bore Size: ø125,160,200,250,320 mm | Standard Stroke up to 500 mm, longer strokes on request | Adjustable cushioning at both ends | Double ended cylinders - Series A18, A19

Optional: | High-performance cylinder with viton seals for maximum temperature resistance up to 150° | Stainless Steel Piston rod

**ISO Standard Cylinders**  
Double Acting (A23 - Magnetic, A24 Non Magnetic)

| ISO 15552/VDMA 24562 Standard | Bore Size: ø32,40,50,63,80,100,125 mm | Standard Stroke up to 500 mm, longer strokes on request | Adjustable cushioning at both ends | Double ended cylinders - Series A20, A21

Optional: | High-performance cylinder with viton seals for maximum temperature resistance up to 150° | Adjustable Trunnion - Series A29, A30 | Non-Rotating Piston Rod - Series A23H / A24H | Low friction model | Stainless Steel Piston rod

**Miniature Cylinders**  
Double Acting A51 Non magnetic, A52 Magnetic A55 / A56 with adjustable cushioning A75 / A76 for bore size ø 32, 40, 50 and 63mm

| ISO 6432 and CETOP standard | Bore size: ø8,10,12,16, 20, 25 mm | Elastomer cushion pad at bothends | Reed switches & Clamps for magnetic cylinders | Double ended cylinders - Series A53, A54

Optional: | High-performance cylinder with viton seals for maximum temperature resistance up to 150° | Low friction Ø25, Series A50 | Stainless Steel Piston rod

**Compact ISO Cylinders**  
Double Acting A64-Non Magnetic, A63-Magnetic

| ISO 21287 standard | Bore size : Ø25, 32, 40, 50, 63, 80, 100 mm | Reed switches for magnetic cylinders | Elastomer cushion pad at both ends | Wide varieties of standard mountings & accessories | Double ended cylinder - Series A60, A61

Optional: | High-performance cylinder with viton seals for maximum temperature resistance up to 150° | Stainless Steel Piston rod

**Compact Cylinders**  
A02 Non-Magnetic A03 Magnetic

| Bore Size: Ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100 | Compact, light weight, and space saving design | Large clamping force in relation to their size | Low friction, long life seal design | Elastomer end cushion



### Compact Cylinder with Guide Rod

Series AO2/A03-G

| Bore Size: Ø12 to 100mm | Non-Rotating accuracy ± 0.3° or less | Load can be directly mounted | Guide rod is installed to improve lateral load resistance.



### Compact Guided Cylinder

Double Acting (A91SL Magnetic)

| Bore Size: Ø12, 16, 20, 25, 32, 40, 50, 63 mm | For ease of loading & unloading work piece at restriction | High speed operation: 0.2 sec/stroke | Compact cylinders with strong clamping force | Suited for electronic parts inspection clamps | Ideal for use in small mounting space | Adjustable stroke on request



### Rodless Cylinder

Series A404

Ø18, Ø25, Ø32, Ø40, Ø50 mm

| High strength aluminium extrusion | Front and side wipers for yoke | With magnetic piston for position sensing | Adjustable cushioning at both ends | Air connection can be given in any one of the four directions | Inlet & outlet air connection at one end possible



### Grippers

Series AG1P / AG1A - Ø10, 16, 20, 25, 32, 40 mm  
Parallel Grippers / Angular Griper

| Suitable for handling small parts | Hard anodised body | Either internal or external holding possible | Magnetic sensing as standard



### Guide Unit For Air Cylinders

Series GU

As per ISO 6432 / CETOP RP52P  
ISO 15552 / VDMA 24562 Standards

| Suitable for Cylinder series A51, A52, A55, A56 | Two variants available | As per ISO 15552 / VDMA 24562 standards | Suitable for cylinder series A23,A24, A27, A28



### Custom made Cylinder

| Miniature cylinders Ø25 with adjustable cushioning | Series A12, A13, A23, A24, A27, A28 | Cylinders with bellows | A12, A13, A23, A24, A27, A28, A63, A91SL | Cylinders with Viton seals on request | Multi Position, Tandem, Stroke adjustment cylinder | Multi position cylinders available on series A63, A64 | Cylinder Ø250 & above Ø available on request.



### Air Cylinders - Mounting & Accessories

#### AIR PREPARATION UNITS



### Air Preparation units FRL Series

| Air Filters, Regulators, Lubricators | Filter - Regulator Combination units | FRL Modular units for easy maintenance | G1/4, G3/8, G1/2, G3/4 and G1 sizes

Accessories : | Wall and Panel mounting brackets, connecting nipples and pressure gauges, Auto drain (internal & external)

Optional : NPT Thread | ATEX Directive 2014/34/UE



### Digital Pressure Sensor

Series PS

| PNP & NPN versions available | Easy and precise pressure setting | LED indication while system pressure is above set pressure | Direct and panel mounting facility | Digital readout of pressure value | Two digital output and one Analog output | Selectable set pressure units (Mpa, psi, kgf/cm<sup>2</sup>, bar)



### Precision Regulators

Series PR  
G1/8, G1/4, G1/2

| Flow characteristic, pressure characteristic and repeatability are superior compared with standard regulators | Excellent relief flow characteristic is available | Diaphragm operated, relieving type (Exhaust) | Clamp and pressure gauge can be mounted either in the front or the back | Can be assembled with F13, FRC13, FS13 & L13 series of products



### Proportional Pressure Regulator

Series PPR  
G1/4" G3/8 & G1/2"

| LED display for monitoring output pressure | Fast response | High flow rate | Output pressure is maintained in the event of power loss | IP65 class protection | Compact and lightweight | Suitable for standalone and modular mounting | Straight and right-angle cable options available



### Angular Line Strainer - G1/2

Series FL

Assemble with F15, FRC15, FS15 & L15 series of products

Constructed with a Y-type strainer installed inside the body to remove foreign materials mixed in fluids before they enter the actuating part of the valve, well as preventing the flow of foreign materials to downstream equipment. Bronze filter available in 40µm.



### Pressure Switch

Series PT  
G 1/8, 1/4"

| Suitable for DIN 43650 connector | Variants available with Integrated LED for switching status indication | Robust design | Power supply voltage 12, 24, 60, 110, 220V AC / DC (PT11N1...), 24V AC/DC(PT11N2...)



### Air Tank (Stainless Steel)

Series AT  
0.75, 2, 5, 10, 20 L

| Attractive and clean design | Available with drain ports | SS304 material for corrosion resistance

#### VALVES



### Compact Valves

Series DS2 - G1/8, G1/4, G1/2

| 3/2 NO, NC, 5/2 & 5/3 pilot operated, single and double solenoid operated versions | Suitable for manifold mounting | Wide range of manifolds available | Wide range of coil voltages | Solenoid connectors conforms to DIN 43650 standards (Series KA, KB, KC)

Optional : NPT Thread, Led and cable



### Solenoid Valves

J Series - G1/4", 1/2"

| 2/2, 3/2 and 5/2 valves | Direct and pilot operated valves | Pressure upto 10 bar | AC / DC coils Wide range of standard coil voltages | Coils suitable for DIN connectors

Optional : NPT Thread



### Manually Operated Valves

Series DS2 - G1/8", G1/4", G1/2"

| 3/2, 5/2, 5/3 Hand lever and push pull type valves | Suitable for panel mounting | Mounting provision for individual unit

Optional : NPT Thread



### Manual & Mechanical Valves

Series DP - M5, G1/4"

| 3/2 NO, NC & 5/2 versions | Foot operated valve with Lock | Poppet seating arrangement | No exhaust overlap | Basic, Roller lever, Idle return roller lever, Finger lever and Hand lever versions available

Optional : NPT Thread



### Panel Mounting Valve

Series DS2 M5, 1/8

| 3/2 NO, NC & 5/2 valves | Suitable for Panel mounting | Mounting provision for individual unit | Basic unit common for all the switches | Wide range of switches available, Mushroom head, Tip head, Flush head, Symmetric head, Mushroom head with lock and key, Lever head



### Poppet Seat Valve

Series DMN

- 1/4", 3/8", 1/2", 3/4", 1"

| 2/2 Normally closed pilot operated solenoid valve suitable for air application | Continuous duty cycle | Wide range of coil voltages

Optional : NPT Thread



### NAMUR Standard

Series DS3  
G1/4

| Compact size | Manual override | Wide range of coil voltages | Single and Double solenoid | Can be directly installed on the industrial valve actuator that complies with NAMUR Standard dimension



### ISO Sub base valve - Size 1

Series DS4 - 5/2 way

| Mounting interface suitable for ISO 5599-1 | Manual override | Wide range of coil voltages

Optional : High Temp. 150°C max. (Viton Seals)



### ISO Sub Base valve - Size 3

Series DS4 - 5/2, 5/3 Way

| Mounting interface suitable for ISO 5599-1 | Manual override | Wide range of coil voltages



### Rotary Slide Valve

Series DR1  
G1/4" & G1/2"

| Easy handle movement and precise control of the direction | Compact and lightweight design | 4/3 Mid-position / Exhausted blocked type design | Handle position available in two types | Both body mounting and Panel mounting is possible | Good flow characteristics



### Silencer

M5, 1/8, 1/4, 3/8, 1/2  
Series AS

| Brass body and sintered bronze silencer elements | Button, Conical, Silencer cum flow control (with lock nut) | Silencer cum flow control (with spring) types | Can be cleaned by kerosene and soap water

### AIRLINE VALVES



### Flow Control Valves

Series : GR2

Sizes : M5, 1/8", 1/4", 3/8", 1/2"

Available in Supply control version, Exhaust control and inline control



### Metal Flow Control Valve

Series : GR

Sizes : M5, 1/8", 1/4", 3/8", 1/2"

Allow controlled flow of air in one direction and free flow in the other direction. Available in two versions - a) Supply control version, and b) Exhaust control version.



### Quick Exhaust Valve

Series GQ  
- M5", G1/8", G1/4",  
3/8", 1/2"

| Increase the speed of the cylinder | Type GQ01 series is with silencer to reduce the exhaust noise | Silencer Type and Plug Type



### Air Line Valve

Series GS/GV

M5, 1/8",  
1/4", 3/8", 1/2"

| Inline slide valves | Non return valves



### Logic Valve

Series GB/GA:  
M5, G1/8, G1/4

OR valve delivers air at the outlet (A) always supplied by higher pressure.

AND valve delivers air at the outlet (A) only when air signal is present at both inputs (X and Y)



### One Touch Fittings

Series WP2 / WP3 Mini

- One Touch Fittings with various models and sizes. Easy connections are made possible by the extensive selection of one-touch, rapid attach fittings
- Suitable for PU & Nylon tubes
- Models: Straight L, Y, T and many configurations
- Tube holder Series: WT Ø4 to 12 mm

Optional : NPT Thread



### Junction Box

(Series WN)  
- M5, 1/8", 1/4",  
3/8", 1/2"

- Aluminium anodized body
- Mounting holes provided
- Wide range of models available



### Nipples

Series WN  
- M5 to 1

- Wide range available
- Nickel plated brass body
- Male (R) threads with thread sealant coating
- Male parallel threads with sealing washer (M5 only)

### Quick Couplers

Series WQ  
- M5, 1/8", 1/4",  
3/8", 1/2"

- Nickel plated brass body
- High flow characteristics
- Wide range of models
- Teflon pre-coated male taper threads



### Air Blow Gun

Series: WB (Plastic)  
/ WB2 (Metal)

- Energy Saving by 30% without compromising the blow force with Metal Gun
- Noise Reduction by 15%
- Volume of air delivery is more than the input volume due to venturi effect
- OSHA compliance ensure safe & healthy working environment
- Heavy and rough uses in industrial environments



### Coloured Polyurethane Tube

(Series WH)

- Available in colours of Blue, Silver, Transparent, Red, Black and Yellow
- Available in sizes of Ø4, 6, 8, 10, 12, 14 and 16mm tubes



### Polyurethane Coiled Tube

(Series WHC)

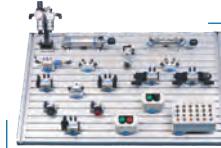
- Space saving
- Available in colours of Blue, Silver gray, Red, Black and Yellow
- Available in sizes of Ø4, 6, 8, 10 and 12mm tubes



### Pneumatic Systems

(Cabinets and Panels)

- Electro-pneumatic panels and switchboards for automation and process system control in accordance with client specifications and in line with all applicable safety standards.



### Pneumatic Trainer Kit

Series JTK

- Suitable for Institutional and Industrial Sectors
- Prepared as per DTE curriculum
- Available in 3 variants: 1. Basic pneumatic trainer kit, 2. Electropneumatic trainer kit, 3. Electro-pneumatic trainer kit with PLC
- All the models are upgradable
- Training Aids - Janatics Animation Software for Pneumatics, Cut section models, Magnetic Symbols and Wall Posters



### One Touch Fittings - Metal

Series WM5 -  
1/8", 1/4", 3/8", 1/2"

- Attractive design
- Threaded nipples of Male Elbow fittings enable to turn by 360°
- Stainless steel design ensures superior clamping by bubble tight sealing of various tubes
- Suitable for different materials of tubing

### Cylinder with Through Hole Piston Rod

Series A85

- Suitable for Pet moulding
- Both ends with elastomer pads
- Non-magnetic version
- Piston rod with hard chrome plating
- Optional: Round profile with Tie rod



### High Pressure Valve

G1/2"

- High usage for Pet Moulding
- High pressure range - Max. 35 bar
- Mounting provision for individual unit
- Compact in size
- Wide range of coil voltages



### Dual Pressure Valve

G1/2"

- High usage for Pet Moulding
- High pressure range - Max. 35 bar
- Mounting provision for individual unit
- Compact in size
- Wide range of coil voltages



### High Pressure Regulator

G1/2"

- High usage of Pet moulding
- High pressure range upto 30 bar
- Compact easy to service



### High Pressure Silencer

G1/2", G3/4", G1"

- Pressure range upto 40 bar
- Maximum of 35 dB noise reduction
- Provided with Hex head, making it easy for assembly
- Exhaust air flows softly to atmosphere
- Maintenance free and prolonged service life

# New Products



EF Series Poppet Type Valve



New FRL



Pulse Valve



Rotary Index Table



Heavy Duty Cylinder



Cylinder with NAMUR Valve



Angle Seat Valve



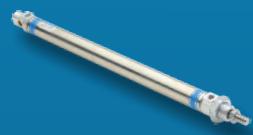
Brass fittings with Nickel Coating



Shock Absorber



DMN Valve - Stainless Steel Series



Low Friction Cylinders



Inch Fittings

\*The above products have been designed and developed for specific applications. For details, contact Our Regional Office.



# Applications



## Our Global Footprint

Janatics exports to over 42 countries in North America, Europe, Australia, Middle East, Africa and South East Asia.

The dedicated Janatics pre-sales and post-sales support team serve customers in USA, Germany and the Middle East with sufficient inventory.



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