



Pneumatic Products Profile



- Air Preparation Units (FRL's)
- Directional Control Valves
- Pneumatic Cylinders
- Auxillary Valves
- Tubes, Fittings and Accessories



VELJAN GROUP

Veljan group is one of the leading manufactures of fluid power products in India having state of the art manufacturing plants in Hyderabad, India .

Established in 1965, Veljan Hydrair Limited was the first company in India to manufacture Pneumatic Products and has the expertise to provide solutions in fluid power applications to various industrial segments.

Other Veljan group companies, are known worldwide for their quality products like Hydraulic pumps, Hydraulic Valves, Hydraulic Cylinders and custom built power system.

A large share of Veljan sales revenue comes from exports to International market including USA, Canada, Peru, Chile, UK, Germany, Italy, Spain, France, The Netherlands, South Africa, Iran, South Korea, Thailand, Malaysia, Singapore, Taiwan, Australia, New Zealand and others. Worldwide distribution network helps us to cater to the needs of our customers across the globe.

Veljan is proud to introduce its complete range of pneumatic products in India. Our excellence in product design has ensured that Veljan pneumatic products are energy efficient and high on performance. The robust design of Veljan pneumatic products are aimed to provide long life and trouble free operation .

We are committed to be a reliable partner to our customers by offering them quality pneumatic products and our best services.



Member



Product Guide

Air Preparation Units (FRL's)



Inline Spool Valves



Diaphragm Poppet Valves



Auxiliary Valves



Air Cylinders




One Touch Fittings & Tubes



Air Preparation Units (FRL's)

Air Filter : 1/8" - 2"


	Series	Port	Bowl Capacity	Filtration	Option	Material of Construction
	V050-F	G1/8, G1/4,	20 CC	40 µ (25, 5 Optional)	BP, AP, NPT, Metalic Bowl	Aluminium
	V100-F	G3/8, G1/2	50 CC			Sintered Bronze
	V200-F	G1/2, G3/4	100 CC		BP, AP, NPT, Metalic Bowl, Auto Drain	Steel
	V250-F	G1	200 CC			Plastic
	V300-F	G1½, G2	300 CC			NBR

ORDERING CODE

Example : V100 / F / 02 / MD / 40 / P / B

V100	F	02	MD	40	P	A
Series V050 V100 V200 V250 V300	Item F = Filter	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP 08=1" BSP 12=1 1/2" BSP 14=2" BSP	Drain MD = Manual drain AD = Auto drain	Filter element 40= 40 Micron 25= 25 Micron 05= 5 Micron	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port

Air Regulator : 1/8" - 2"


	Series	Port	Set Pressure	Pr. Guage Port	Material of Construction	Accessories
	V050-R	G1/8, G1/4,	0 - 10 bar (0-7, 0-4, 0-2 Optional)	1/8" BSPT	Aluminum, Brass, Steel, Plastic, NBR	Bracket, PR Guage
	V100-R	G3/8, G1/2		1/8" BSPT		
	V200-R	G1/2, G3/4		1/4" NPT		PR Guage
	V250-R	G1		1/4" NPT		
	V300-R	G1½, G2		1/4" NPT		

ORDERING CODE

Example : V100 / R / 02 / 01 / K / B

V100	R	02	01	K	B
Series V050 V100 V200 V250 V300	Item R = Regulator	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP 08=1" BSP 12=1 1/2" BSP 14=2" BSP	Gauge 01=0-10 bar 02=0-7 bar 03=0-4 bar	Type of Regulator K=Knob type T=T-handle type	Port Type B = Body ported A = Adaptor port

Air Lubricator : 1/8" - 2"

	Series	Port	Bowl Capacity	Lubrication Oil	Option	Material of Construction
	V050-L	G1/8, G1/4,	50 CC	ISO VG 32	BP, AP, NPT, Metalic Bowl	Aluminium
	V100-L	G3/8, G1/2	100 CC			Sintered Bronze
	V200-L	G1/2, G3/4	210 CC			Steel
	V250-L	G1	350 CC			Plastic
	V300-L	G1½, G2	1500 CC			NBR


ORDERING CODE

Example : V100 / L / 02 / P / B

V100	L	06	P	A
Series V050 V100 V200 V250 V300	Item L = Lubricator	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP 08=1" BSP 12=1 1/2" BSP 14=2" BSP	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port

Air Preparation Units (FRL's)

Air Filter / Regulator : 1/8" - 3/4"


	Series	Port	Bowl Capacity	Filtration	Option	Accessories
	V050-FR	G1/8, G1/4,	20 CC	40 µ (25, 5 Optional)	BP, AP, NPT, Metalic Bowl	Bracket, Pressure Guage
	V100-FR	G3/8, G1/2	50 CC		BP, AP, NPT, Metalic Bowl, Auto Drain	Pressure Guage
	V200-FR	G1/2, G3/4	100 CC			

ORDERING CODE

Example : V100 / FR / 02 / MD / 40 / P / B / K / 01

V100	FR	02	AD	40	P	A	K	01
Series V050 V100 V200	Item F / R = Filter / Regulator	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP	Drain MD = Manual drain AD = Auto drain	Filter element 40= 40 Micron 25= 25 Micron 05= 5 Micron	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port	Type of Regulator K=Knob type T=T-handle type	Gauge 01=0-10 bar 02=0-7 bar 03=0-4 bar

Air Filter + Regulator : 1" - 2"


	Series	Port	Bowl Capacity	Filtration	Option	Lubrication Oil
	V250-F+R	G1	200 CC	40 µ (25, 5 Optional)	BP, AP, NPT, Metalic Bowl	ISO VG 32
	V300-F+R	G1½, G2	300 CC			

ORDERING CODE

Example : V250 / F+R / 08 / MD / 40 / P / B / T / 01

V250	F+R	08	MD	40	P	B	T	01
Series V250 V300	Item F+R = Filter+Regulator	Port Size 08=1" BSP 12=1 1/2" BSP 14=2" BSP	Drain MD = Manual drain AD = Auto drain	Filter element 40= 40 Micron 25= 25 Micron 05= 5 Micron	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port	Type of Regulator T=T-handle type	Gauge 01=0-10 bar 02=0-7 bar 03=0-4 bar

Air Filter / Regulator + Lubricator : 1/8" - 3/4"

	Series	Port	Bowl Capacity	Filtration	Option	Lubrication Oil	
	V050-FR+L	G1/8, G1/4,	20 CC	40 μ (25, 5 Optional)	BP, AP, NPT, Metalic Bowl,	ISO VG 32	
	V100-FR+L	G3/8, G1/2	50 CC		Auto Drain, BP, AP, NPT, Metalic Bowl,		
	V200-FR+L	G1/2, G3/4	100 CC				


ORDERING CODE

Example : V100 / FR+L / 06 / MD / 40 / P / B / K / 01

V100	FR+L	06	AD	40	P	A	K	01
Series V050 V100 V200	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP	Item F/R+L = Filter / Regulator +Lubricator	Drain MD = Manual drain AD = Auto drain	Filter element 40= 40 Micron 25= 25 Micron 05= 5 Micron	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port	Type of Regulator K=Knob type T=T-handle type	Gauge 01=0-10 bar 02=0-7 bar 03=0-4 bar

Air Preparation Units (FRL's)

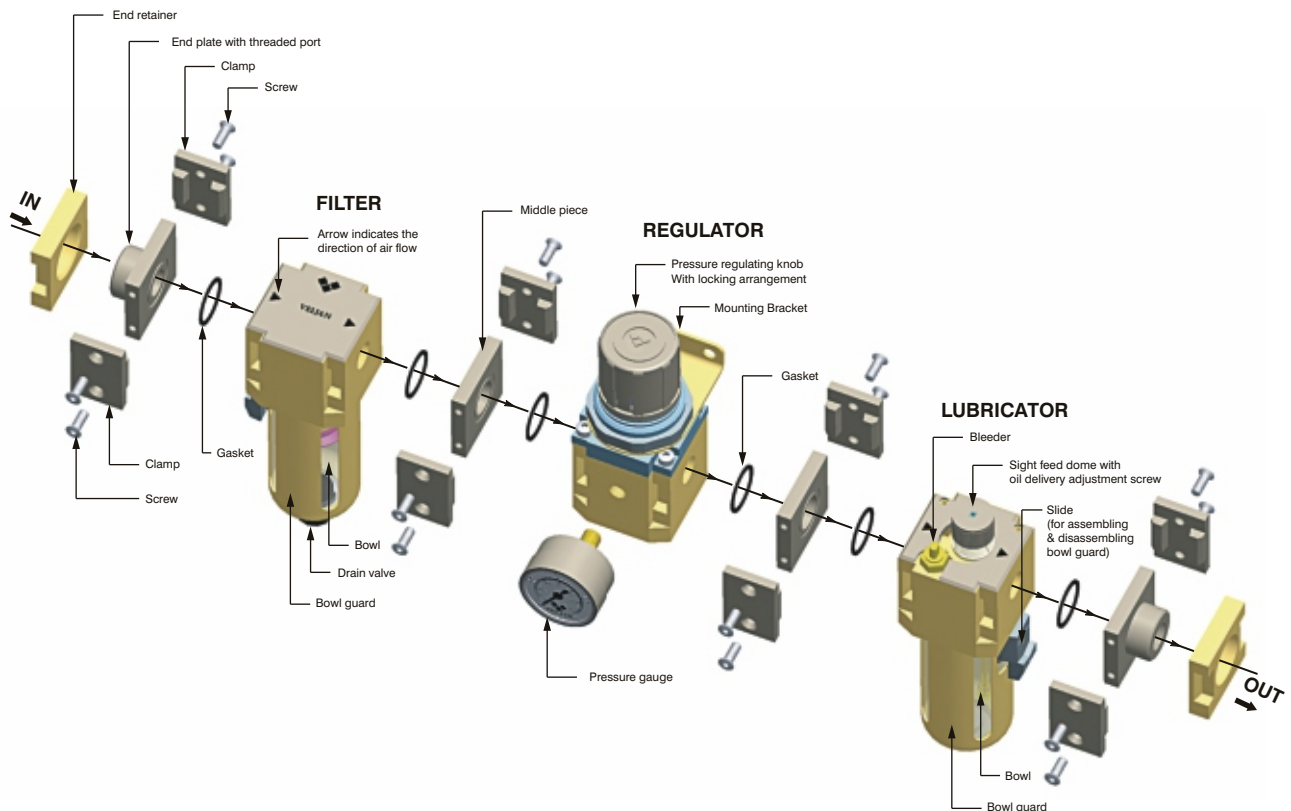
Air Filter + Regulator + Lubricator : 1/8" to 2"

	Series	Port	Set Pressure	Pr. Guage Port	Material of Construction	Accessories
	V050-FRL	G1/8, G1/4,	0 - 10 (0-7, 0-4, 0-2 Optional)	1/8" BSPT	Aluminum, Brass, Steel, Plastic, NBR	Bracket, PR Guage
	V100-FRL	G3/8, G1/2		1/8" BSPT		PR Guage
	V200-FRL	G1/2, G3/4		1/4" NPT		
	V250-FRL	G1, G1 1/4		1/4" NPT		
	V300-FRL	G1 1/2, G2		1/4" NPT		

ORDERING CODE


V100	FRL	06	AD	40	P	B	K	01
Series V050 V100 V200 V250 V300	Item F+R+L= Filter+ Regulator +Lubricator	Port Size 01=1/8" BSP 02=1/4" BSP 03=3/8" BSP 04=1/2" BSP 06=3/4" BSP 08=1" BSP 12=1 1/2" BSP 14=2" BSP	Drain MD = Manual drain AD = Auto drain	Filter element 40= 40 Micron 25= 25 Micron 05= 5 Micron	Bowl P = Polycarbonate M = Metal	Port Type B = Body ported A = Adaptor port	Type of Regulator K=Knob type T=T-handle type	Gauge 01=0-10 bar 02=0-7 bar 03=0-4 bar

Exploded View of FRL Module




Directional Control Valves

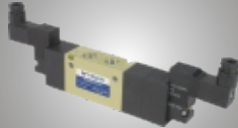
ILV 524 - 3/2 Inline Spool Valves (Solenoid and Pilot Operated)

	Port / Position	Function	Port Size	Voltage	Effective Sectional Area, mm ² (Cv)	Power Consumption	Pilot Operated
	3/2	NO / NC	1/4	230V, 110V AC, 24V DC	25 (1.39)	AC-3VA, DC-2.5W	Yes
		NO / NC	1/2		65 (3.6)	AC-3VA, DC-2.5W	Yes

ILV 524 - 5/2 Inline Spool Valves (Solenoid and Pilot Operated)

	Port / Position	Actuation	Port Size	Voltage	Sectional Area, mm ² (Cv)	Power Consumption	Pilot Operated Type
	5/2	Single / Double Solenoid	1/8	230V, 110V AC, 24V DC	12 (0.67)	DC-1 w	Both Single and Double (Optional)
			1/4		25 (1.39)	AC-3VA, DC-2.5W	
			3/8		50 (2.8)	AC-3VA, DC-2.5W	
			1/2		65 (3.6)	AC-3VA, DC-2.5W	


ILV 524 - 5/3 Inline Spool Valves (Solenoid Operated)

	Port / Position	Port Size	Actuation	Sectional Area, mm ² (Cv)	Power Consumption	Voltage
	5/3	1/4	Closed Center	25 (1.39)	AC-3VA, DC-2.5W	230V, 110V AC, 24V DC
		1/2	Closed Center	65 (3.6)	AC-3VA, DC-2.5W	


ORDERING CODE

INLINE VALVE		ILV	524	2	02	3	D
MODEL No.							
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Hand Lever Valve (Inline Spool Type)

	Series	Port / Position	Port Size	Option
	ILV 524 Spool Type	5/2	1/4, 1/2	<ul style="list-style-type: none"> • With Detent • Spring Return
		5/3	1/4, 1/2	<ul style="list-style-type: none"> • With Detent • Spring Centre


Diaphragm Poppet Valves (Solenoid and Pilot)

	Series	Port / Position	Function	Port Size	Power Consumption	Option
	'D'	3/2	NC	1/8, 1/4, 1/2	6 w (1/4", 1/2")	Pilot, Finger Lever, Palm Button, Push Button
			NO			
		5/2	Single Solenoid	1/4	6 w	Pilot, Hand Lever
			Double Solenoid			


ISO 2 Valve

	Model	Port / Position	Solenoid	Port Size	Voltage	Feature	Option
	534	5/2	Single	1/2, 3/4	230V, 110V AC, 24V DC	Suitable For ø 100 to ø 160 Bore Cylinder	Pilot Operated
			Double	1/2, 3/4			
		5/3	Double	1/2, 3/4			

Linear Slide Valve (Unique Liners Slide Design)


	Model	Port / Position	Actuation	Port Size	Feature	Voltage
	V 434	4/2 & 4/3	Single Solenoid	G3/4 & G1	<ul style="list-style-type: none">• Valve Sealing Efficiency independent of Spool Seal.• Trouble Free Operation	230V, 110V AC, 24V DC
			Double Solenoid			
			Hand Lever	G1		
			Pilot Operated			

Power Valve (Suitable for large bore cylinder 125mm - 320mm)


	Model	Port / Position	Actuation	Port Size	Feature	Voltage
	V 310	3/2	Single Solenoid	G3/4	Direct Mounting on Cylinder Saves Air High Speed	230V, 110V AC, 24V DC
			Single Pilot	G1		

Auxillary Air Valves


Inline Flow Control Valve : Series VFCV

	Models	Size	Features
	VFCV 008	G1/8	<ul style="list-style-type: none"> Precise Control Flow Linear to Knob Rotation Panel Mounting Option Can also be used for low pressure hydraulic application
	VFCV 010	G1/4	
	VFCV 012	G3/8	
	VFCV 025	G3/4	
	VFCV 032	G1	


Non Return Valves : Series VNRV

	Models	Size	Features
	VNRV 0040	G1/8	<ul style="list-style-type: none"> In-Line Mounting
	VNRV 0080	G1/4	
	VNRV 0250	G1/2, G3/4	<ul style="list-style-type: none"> Made from light weight extruded body
	VNRV 0320	G1	


Quick Exhaust Valve : Series VQEV

	Models	Size	Features
	VQEV - 1	G1/8	<ul style="list-style-type: none"> Rapid retraction of piston by providing immediate outlet to exhaust air to atm
	VQEV - 2	G1/4	
	VQEV - 4	G1/2	
	VQEV - 8	G1	

Shuttle Valve


	Models	Size	Features
	V - SV-1	G1/8	<ul style="list-style-type: none"> Light weight Aluminium extruded body
	V - SV-2	G1/4	
	V - SV-4	G1/2	
	V - SV-6	G3/4	

Rotary Air Valve : (Size 1/4, 3/8, 1/2, 3/4)


	<p>Ideal for rugged manual operation. All the ports are blocked in mid position, making it suitable for holding application of double acting cylinder. Available both in bottom port and side port.</p>	Features
		<ul style="list-style-type: none"> 4/3 Position valve designed with AL Press Die-Cast Body Panel as well as inline mounting Detent 3 position mechanism Integral rubber moulded disc for no leakage

Air Cylinders


Small Bore Cylinder

	Series	Bore (mm)	Features
	VS (Small Bore)	16 to 25	<ul style="list-style-type: none"> Conforms to ISO 6432 standard Single acting or Double acting versions Varieties of mounting styles & accessories. Optional magnetic piston ring for position sensing

ISO Cylinders

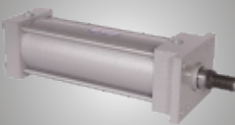
	Series	Bore (mm)	Features
	VIC (ISO)	32 to 200	<ul style="list-style-type: none"> Conforms to ISO 6431 & VDMA 24562 standards Profiled aluminum tube with hard anodised bore Optional magnetic piston ring for position sensing Hard chromium plated piston rod Optional stainless steel piston rod Seals NBR (Viton Optional) PTFE guide ring for piston Adjustable cushioning at both ends Varieties of mounting styles & accessories. Single or double end rod version.

Compact Cylinder

	Series	Bore (mm)	Features
	VJ (Compact Cylinders)	20 to 100	<ul style="list-style-type: none"> For limited space requirements End face mounting or foot mounting options

A separate catalogue with performance and dimensional data is available on request.

Heavy Duty Cylinder

	Series	Bore (mm)	Features
	VJ (Heavy Duty Cylinders)	80 to 320	<ul style="list-style-type: none"> Conforms to ISO 6430 Seamless Steel tube with Hand Chrome plated Proximity Sensing (Optional) Nitrile seals (Viton seals optional) Varieties of mounting possibilities and accessories

One Touch Fittings & Other Products

Male Connector



Tube OD	Thread
6 mm	R1/8"
	R1/4"
8 mm	R1/8"
	R1/4"
10 mm	R1/2"
12 mm	R1/2"

Male Elbow



Tube OD	Thread
6 mm	R1/8"
	R1/4"
8 mm	R1/8"
	R1/4"
10 mm	R1/2"
12 mm	R1/2"

Male Branch Tee



Tube OD	Thread
6 mm	R1/8"
8 mm	R1/4"
12 mm	R1/2"

Union Elbow



Tube OD
6 mm
8 mm
10 mm
12 mm

Union Tee



Tube OD
6 mm
8 mm
10 mm
12 mm

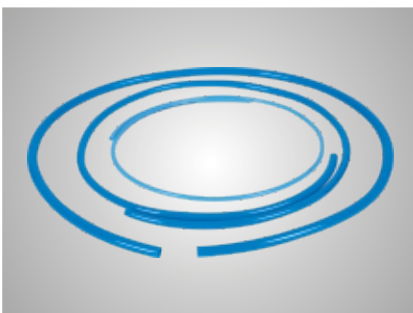
Bulk Head Union



Tube OD
8 mm
10 mm
12 mm

For other fittings, see detailed catalogue

PU Tubes



Tube OD
6 mm
8 mm
10 mm
12 mm

Rotary Actuators



Type	Bore (mm)	Features
VRA	125	<ul style="list-style-type: none"> • Compact and light weight • Angle of Rotation 90° • Pressure Range 3-8 Bar



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