



About Us :

M/S GEM AIR COMPRESSOR (INDIA) PVT. LTD. has been established in 2013 with the aim to serve various industries with its impeccable products. Through our experience, acumen and specialty, we are able to offer high quality with its impeccable products. Through our experience, acumen and specialty, we are able to offer high quality compressed air solutions, industrial air compressors, diesel driven air compressor, oil lubricated vacuum pumps & various project utility works. The core emphasis of the company is on growth and customer satisfaction which is achieved by constant and consistent efforts towards quality improvement and product development . We have shown

We invite queries of our valued Indian buyers for further clarification. We have developed true depth and breadth of engineering skills and processes. These skills have been refined through recent experience in designing cost-effective systems, using state-of-the- art technology and all this with increased service strength. The practical innovations without the constraints typically found in a development environment have allowed us to deliver low-cost and rapid solutions.

We are fully equipped to fulfill all sizes of orders, in a reasonable period and made to exact specifications. Special attention is paid to incorporating all the details mentioned by the client so that the product is completely error free and suits the needs of the customers perfectly.

Goal :

To deliver world class compressed air systems and equipments.

Solution :

GEM AIR COMPRESSOR (INDIA) PVT. LTD. offers a variety of range of solutions to plant engineering and utility requirements.



Dairies, Spray painting units, Air jet cleaning, Agriculture, Textile industries, plastic processing units, 2-wheeler garages, Scrubber manufacturing units, food industries etc.



Technical Specification :

Standard Scope of Supply :

Bare

Fly Wheel
Motor Pulley
Suction Filter
Inter Stage Safety Valve

Base Plate Mounted

Fly Wheel
Motor Pulley
Motor Slide Rails
V-belts, Belt Guard
Inter Stage Safety Valve

Air Receiver Mounted (Horizontal)

Fly Wheel
Motor Pulley
Motor Slide Rails
V-belts, Belt Guard
Suction Air Filter

Safety Valve
Drain Valve
Service Valve, Pressure Gauge,
Control-ASSC
Inter Stage Safety Valve

Model No.	Cylinder	Motor HP	RPM	PD CFM	FAD CFM	Max. Pressure		Air Receiver (Litrs)
						Psig	Kg/Cm2g	
1SS	2.75"	1	750	5.15	3.76	125	8.75	100
1SS	2.75"	1.5	900	6.20	4.70	125	8.75	100
2SS	2.75" & 2.75"	2	750	10.31	7.52	125	8.75	100/150
2SS	2.75" & 2.75"	3	900	12.36	9.06	125	8.75	100/150
3SS	3" & 3" x 2.75"	3	660	14.85	10.7	80	5.5	100/150
5SS	4" & 4" x 2.75"	5	866	34.60	22.20	80	5.5	200/250/300
7SS	5" & 5" x 3.5"	10	800	52.80	39.10	80	5.5	250/300/500
13SS	5.5" x 5.5" x 4"	12.5	800	88.00	66.0	40	2.25	300/500
15SS	5.5" x 5.5" x 5.5" x 4"	20	900	148.50	111.40	40	2.25	500

Application Areas :

Dairies, Spray painting units, Air jet cleaning, Agriculture, Textile industries, plastic processing units, 2-wheeler garages, Scrubber manufacturing units, food industries etc.



Pneumatic press, Road construction machineries, Ore processing, two and four wheeler garage equipments, Rubber industries, Plastic processing machineries, steel fabrication, foundries, Pharmaceutical machineries etc.



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Model No.	Cylinder	Motor HP	RPM	PD CFM	FAD CFM	Max. Pressure		Air Receiver (Ltrs)
						Psig	Kg/Cm2g	
3TS	3"×1.75"×2.75"	2	660	7.42	5.63	175	12.3	150/200
3TS	3"×1.75"×2.75"	3	866	9.74	6.93	175	12.3	150/200
3TS1	3"×1.75"×2.75"	3	1000	11.25	8.65	175	12.3	150/200
5TS	4"×2.5"×2.75"	5	866	17.30	13.02	175	12.3	200/250/300
5TS1	4"×2.5"×2.75"	5	866	17.32	13.99	175	12.3	200/250/300
5TS1	4"×2.5"×2.75"	7.5	1100	22.00	17.80	175	12.3	200/250/300
7TS	5"×3"×3.5"	7.5	660	26.25	19.70	175	12.3	250/300
7TS	5"×3"×3.5"	10	866	34.45	25.85	175	12.3	250/300
10TS1	5"×2.75"×3.5"	10	950	37.80	30.00	175	12.3	250/300/500
10TS1	5"×2.75"×3.5"	12.5	1050	44.00	35.00	175	12.3	250/300/500
13TS	5.5"×3"×4"	12.5	800	44.00	34.14	175	12.3	300/500
13TS	5.5"×3"×4"	15	900	49.50	37.06	175	12.3	300/500
20TS	5"×5"×3.5"×4"	15	750	68.20	49.83	175	12.3	500
20TS	5"×5"×3.5"×4"	20	900	81.84	59.80	175	12.3	500
25TS	5.5"×5.5"×4"×4"	20	750	105.00	70.00	175	12.3	500
25TS	5.5"×5.5"×4"×4"	25	950	110.03	80.00	175	12.3	500
25TS	5.5"×5.5"×4"×4"	30	1100	121.03	93.20	175	12.3	500

Application Areas :

Pneumatic press, Road construction machineries, Ore processing, two and four wheeler garage equipments, Rubber industries, Plastic processing machineries, steel fabrication, foundries, Pharmaceutical machineries etc.



PET bottling machineries, Blow molding machineries, Gas and transmission, Air operated circuit breakers, Shipyards, Oil exploration units, Pharmaceuticals, Pneumatic equipment testing, Pneumatically operated air braking systems etc.



Technical Specification :

Standard Scope of Supply :

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Inter Stage Safety Valve

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V-belts, Belt Guard
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Air Receiver Mounted (Horizontal)

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Service Valve, Pressure Gauge,
Control-ASSC
Inter Stage Safety Valve

Model No.	Cylinder	Motor HP	RPM	PD CFM	FAD CFM	Max. Pressure		Air Receiver (Ltrs)
						Psig	Kg/Cm2g	
3TH	3" & 1.25"x2.75"	3	660	7.4	4.80	500	35.15	150
5TH	3" & 1"x4"	5	800	13.1	4.31	1000	70.30	200/300
15TH	5" & 2"x4"	12.5	800	36.37	21.60	500	35.15	300/500
15TH	5" & 2"x4"	15	900	40.92	24.30	500	35.15	300/500
20TH	5.5" & 3" & 1.625"x4"	15	750	41.26	31.41	500	35.15	500
20TH	5.5" & 3" & 1.625"x4"	20	900	49.51	37.70	500	35.15	500
20TH	5.5" & 3" & 1.625"x4"	20	900	49.51	31.45	1000	70.30	500
20TH1	5.5 & 3.5" & 8.2"x4"	15	750	52.25	34.00	425	30.00	500
20TH1	5.5" & 3.5" & 8.2"x4"	20	900	62	40.00	425	30.00	500
20TH2	5" & 5" & 8.3"x4"	20	800	78	54.00	355	25.00	500

Application Areas :

PET bottling machineries, Blow molding machineries, Gas and transmission, Air operated circuit breakers, Shipyards, Oil exploration units, Pharmaceuticals, Pneumatic equipment testing, Pneumatically operated air braking systems etc.

Air Dryer



MIMIC DISPLAY.....Indicates

- Schematic Diagram of dryer with Sensor
- * Air Circuit
- * Refrigeration Circuit
- * Digital Display of Dew Point Indicator
- * Operation & Tripping Signals
- * System ON/OFF Switch

Features & Advantages

- * Compact & Innovative Design
- * Non-cyclic Operation
- * Low Energy Consumption
- * Constant Dew Point
- * Eco Friendly
- * Customized air/Water cooled models
- * Easy in installation & Operation
- * Low maintenance and Easy to Service
- * Load Handling Capacity 0 to 100% without Freezing
- * Special Control for Constant Evaporating and Condensing temperature
- * Specialized Range from 0.5 kg/Cm2 to 80kg/Cm2

Schematic Layout



Range & Capacities

Refrigerated type Air dryer Flow	10 CFM to 10000 CFM
Operating pressure/Temperature	0.5 kg/cm ² to 80 kg/cm ² /30° C. to 60° C
Desiccant type Air dryer Flow	5 CFM to 500 CFM
Operating pressure/Temperature	7 kg/cm ² to 40 kg /cm ² /40° C
Heat exchanger	30 CFM to 10000 CFM
Moisture separator	30 CFM to 10000 CFM
Air filters	20 CFM to 10000 CFM
Oil filters	10 CFM to 3000 CFM
Air receiver	0.25 M ³ to 20 M ³
Water chilling plant	1.0 TR to 50 TR
Electronic drain valve	3/8" to 3/4" BSP Conn.

Filters



Compressed Air Filters

GEM Air Filter cartridge production includes 3 filtration stages which are designed to remove particulates, water, oil, vapour from compressed air.

- * The design of filter media ensures the effective and efficient removes of most of contaminates in compressed air systems.
- * All materials are suitable for operation in the temperature range upto 1500C. They are corrosion resistant and suitable for most of applications.
- * The filter and cartridge size is determined by the compressed air flow. They all are designed for operating pressure upto 16 bar & 45 bar.

Technical Specification :

Housing	Aluminium Grade
MWP	16 Bar, 30 Bar, 70 Bar
Drain	Manual Automatics (optional)
DP Gauge	Optional
Working Temp.	80 Oc (max)
Element	Poly Propylene / Borosilicate
Efficiency	95%-99.99%
Element Life	8000 Hrs. (Approx.) However Depends Upon Quality of Inlet Air.
Pressure Drop (AP)	0.03 Bar-0.12 Bar (vary with Micron of Element)
Connection Size	1/4"-3"
CFM	30-70 CFM
Finish	Powder Coated



Filter Element

Grade	MS	PF	AF	FF	OF
Particle Removal	10	3-5	0.1	0.01	0.01
Oil Removal	-	-	0.1 mg/m ³	0.01 mg/m ³	0.00 mg/m ³
Pressure Drop	0.02 Bar	0.03 Bar	0.05 Bar	0.06 Bar	0.12 Bar
Media	Poly Propylene or Borosilicate	Poly Propylene	Borosilicate	Borosilicate	Borosilicate with Activated Carbon
Efficiency	95%	95%	99%	99.99%	99.999%

Application Areas :

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Quality Assurance :

We believe in manufacturing products using the latest technology in order to give our customer the right product and the best value for the money. We believe in the quality, which is always important to the reputation and success of our company. Our main business strength is customer service and satisfaction.

We herewith promise complete satisfaction to all GEM AIR product users in lieu of what they've spent on it. our whole system is quality oriented, weather it is a single piece or a large consignment. We never cut corners to save money, never escape processed and testing to save time, never use inferior material and never indulge in unfair dealings to garner undue profits. Its our aim to give highest quality at fair price, because we know that "long-lasting performance" of our product is the only formula for our survival and success. The compressors can be supplied bare, base plate mounted or receiver mounted The designs/specifications are subject to change without notice on account of frequent in products' quality.

Products :

- Booster packages
- Vertical air receivers
- Compressed air filters
- Replacement spare parts
- Vacuum pumps- oil lubricated
- Refrigerated and heatless air dryers
- Automatic condensate drain (Auto drain valves)
- Single and two stage reciprocating air compressors
- Vertical air compressors- Water cooled (Lubricated and Non- lubricated)
- High pressure reciprocating air compressors- air cooled and water cooled
- Water cooled Moisture separators and after coolers-Horizontal and vertical

Application Ares



- Tanneries
- Quarries
- Shipyards
- Paper mills
- Tea gardens
- Sand blasting
- Metal spraying
- Textile industries
- Leather industries
- Automobile industries
- Distilleries and breweries
- Sewage disposal plants
- Lacquering or spray painting
- Food and beverages industries
- Spinning / knitting/hosiery machineries
- PET- stretch and blow molding machineries
- Welding machineries and many more...
- Rice mills
- Sugar mills
- Cement plants
- Fertilizer plants
- Glass industries
- Plastic industries
- Printing processes
- Leather industries
- Chemical industries
- Footwear industries
- Electronics industries
- Oncology machineries
- Ore processing industries
- Health care and hospitals
- Pharmaceutical industries
- Power plants and refineries
- General instrumentation and plant air

