

HIGH PERFORMANCE. LEGENDARY RELIABILITY.

RS SERIES 10-50 HP

FSCURTIS RS Series Rotary Screw Air Compressors are designed and built to our high quality ISO 9001 system standards. The RS air end with its high precision finish offers you the shortest possible sealing line to maximize CFM output per brake horsepower. Along with our low running speeds, our large oversize bearings give you more than twice the needed thrust loading for extended life.

LOW POWER CONSUMPTION

For proven maximum energy savings, FSCURTIS offers as standard timed dual control with modulation. During load cycle compressor capacity automatically adjusts to system demand. When system demand drops, sump system automatically blows down to a low idle pressure and maintains extremely low unloaded horsepower. For additional energy savings, unloaded timed shutdown comes standard. Lead-lag/sequence control also available.

ELECTRICAL CONTROL ENCLOSURE

Conveniently located with hinged access door. Built-in across the line magnetic starters with thermo overload protection ensures long motor life. 115 volt control circuit with fused protection is provided for safe operation. Standard NEMA 1 control panel comes U.L. and C.U.L. listed with electrical components U.L. and C.S.A. approved.

STANDARD CONTROLS

Display includes discharge and sump pressure gauges, temperature gauge, hour meter, dual high air/oil temperature shutdown switches with indicating light, start-stop buttons, timed dual control switch, load/unload switch, standby light, power on light and optional PSID indicators.

OPTIONAL AIRTRON CONTROLLER

Advanced, simple to use micro-processor incorporates a logic which monitors the parameters and working conditions of the compressor. The display includes line pressure, sump pressure, operating temperature and run/load hours. Service advisories include air filter, oil filter, oil and separator. Warning indicators include high separator delta-p, high temperature and blocked air filter. Fault shutdowns include emergency stop, motor overload, wrong rotation, power interruption, high temperature and high pressure. Adjustable settings include operating pressure, dual control, delay off timer, auto restart timer and maximum starts per hour. Controller offers remote start-stop capability and easy hook up to sequence control.

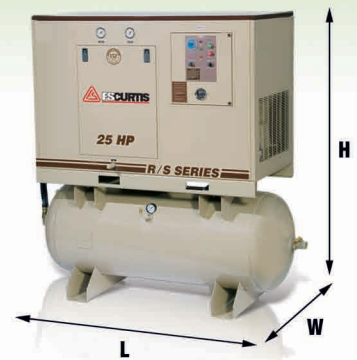
Base or tank mounted, open or enclosed design





RS SERIES ROTARY SCREW COMPRESSORS

The FSCURTIS RS Series Rotary Screw Air Compressors are designed and built for low energy consumption. Superior design and high quality ISO 9001:2000 manufacturing standards give you more air at a lower cost with higher reliability than any other supplier in the industry.



SPECIFICATIONS

Base Mounted		RS10	RS15	RS20	RS25	RS30	RS40	RS50	
Air Delivery @ 100psi	Cfm	42	69	92	111	138	191	225	
@ 125psi	Cfm	39	59	83	104	129	173	212	
@ 150psi	Cfm	34	51	76	92	115	150	186	
@ 175psi	Cfm	28	46	65	84	102	129	172	
Power	Hp	10	15	20	25	30	40	50	
Dimensions L/W/H	Inch	60/30/43					72/42/50		
Weight, open/encl	lbs	620/770	640/790	985/1135	1060/1210	1150/1425	1425/1630	1750/1955	
Air Discharge, NPT	Inch	3/4	1	1	1	1	1-1/4	1-1/4	

Tank Mounted		RS10T	RS15T	RS20T	RS25T	RS30T	RS40T	RS50T	
Air Delivery @ 100psi	Cfm	42	69	92	111	138	191	225	
@ 125psi	Cfm	39	59	83	104	129	173	212	
@ 150psi	Cfm	34	51	76	92	115	150	186	
@ 175psi	Cfm	28	46	65	84	102	129	172	
Power	Hp	10	15	20	25	30	40	50	
Tank	Gal	80	80	120	120	120	200	200	
Dimensions, L/W/H	Inch	75/30/69			75/30/74			80/43/86	
Weight, open/encl	lbs	860/1010	875/1025	1305/1455	1380/1530	1470/1620	1745/1950	2170/2375	
Air Discharge, NPT	Inch	1	1	1	1	1	1-1/2	1-1/2	

STANDARD FEATURES

- Intake Filter (Heavy Duty RS40 and RS50) • High Efficiency Air End • Belt Driven • EPart Efficiency Electric Motor • Timed Dual Control with Modulation • 115V Control Voltage • Multi-Stage Oil Separation System • Heavy-Duty Oil Filter with By-Pass • Oil Level Sight Glass • Mixing Three-Way Oil Thermostat • Side-by-Side Air Cooled Oil/Air Aftercooler • Rigid Base with Fork-lift Slots • Multi-Level Safety Systems • Pressure Relief Valve • Factory Fill Synthetic Oil

OPTIONAL FEATURES AND EQUIPMENT

- Quiet Enclosure • Additional Low Sound Enclosure • Water Cooled • Alternative Voltages (200, 230, 460, 575V, 60Hz) • 50 Hz Optional • Airtron™ Microprocessor Control • Premium Efficiency Motors • TEFC Motors • NEMA 4 Control Panel • Y/D Starter • Solid State Soft Starter • Pressure Differential Gauges for Air, Oil and Separator Filters



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