

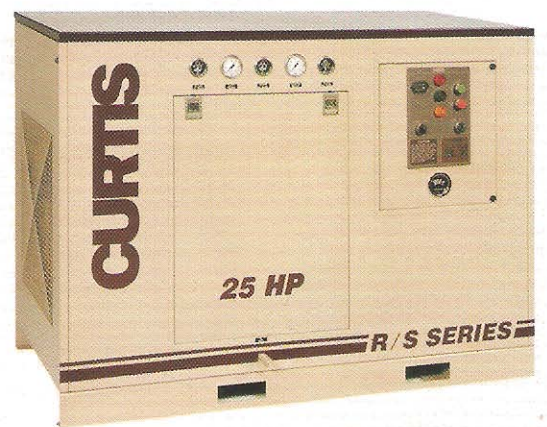
CURTIS

*Built with the Latest Technology
and on a Strong Tradition*

RS SERIES

**ROTARY SCREW
AIR COMPRESSORS
5-50 HP**

- High Performance
- Energy Efficient
- Low dba



PROMINSER S.A.C.

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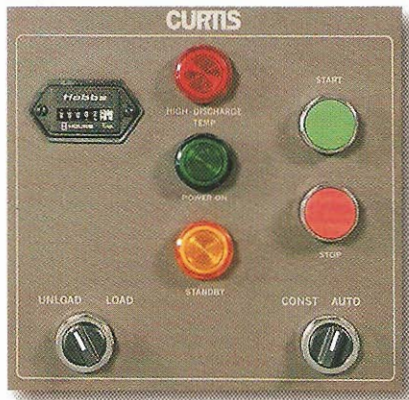
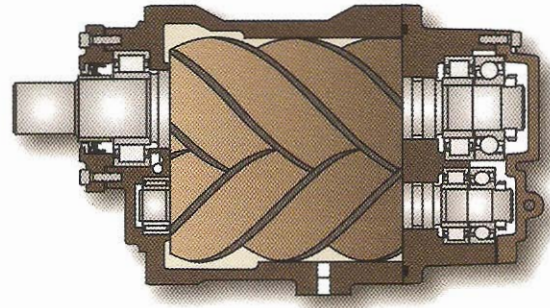
HIGH PERFORMANCE, ENERGY EFFICIENT

Since 1854 CURTIS has been synonymous with quality products and service. CURTIS continues this tradition with the R/S Series Rotary Screw Line.

Through superior engineering our compressors are unmatched in terms of durability and performance. Our advanced R/S air-end design along with an energy efficient control system delivers more air output per energy dollar. Our units are simple to install, easy to maintain and engineered to give you dependable, trouble free service.

AIREND

Curtis air-ends are manufactured to ISO-9001 standards. The R/S profile with its high precision finish offers you the shortest possible sealing line to minimize internal losses. Along with low running speeds, our design gives you maximum CFM output per brake horsepower. Zero wear Curtis rotors run in an oil bath and have no metal to metal contact. Large, oversize diameter bearings give you more than twice the needed thrust loading for extended air-end life.



LOW POWER CONSUMPTION

For proven maximum energy savings, Curtis offers as standard on line-off line and start-stop control with delay off timer. Modulation also comes standard on 25-50 HP units. 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. Unit can also be set to shutdown after a predetermined idle period. Lead-lag/sequence control also available. Start-stop control is standard on 5-7½ HP units.

ACOUSTICAL ENCLOSURE

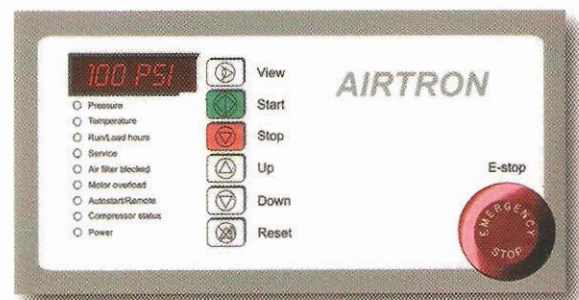
Optional high quality metal cabinet comes lined with oil resistant internal sound proofing. Durable powder coated finish ensures your Curtis compressor will always look great. Removable lids and side panels allow for easy access to all routine maintenance items.

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.

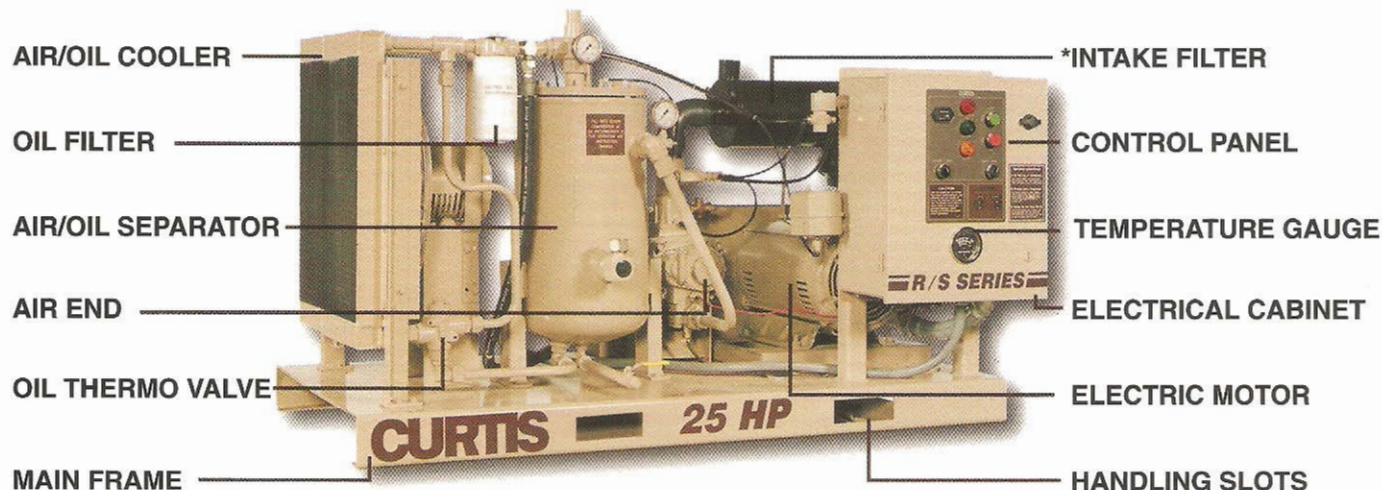
OPTIONAL AIRTRON CONTROLLER

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.



COMPARE THE CURTIS FEATURES

R/S Series Compressors run virtually vibration free and operate at low dba levels. All service points are conveniently located and offer easy access for service personnel. Every compressor comes fully automated, factory tested and ready to run.



*Heavy Duty Type Standard on 40-50 HP

AIR/OIL SEPARATOR

Large multi-stage design ensures maximum oil separation. Final separator element is sized that under full capacity flow, the velocity through the filter element is Less than 1 ft/second for optimal efficiency. Large ASME/CRN rated separator tank is equipped with vented oil fill plug, oil level sight glass, safety relief valve and minimum pressure discharge valve. Easy to service spin-on separator system is used on 5-7½ HP and on the 10 HP basemount units.

SIDE BY SIDE AIR/OIL COOLER

Our large, oversize coolers allow for low approach temperatures and provide for a cooler running compressor and enhanced unit performance. Thermostatically controlled oil bypass valve ensures optimum oil temperature to extend air-end life. Our side by side coolers also offer easy access for cleaning.

BASE OR TANK MOUNTED

Curtis offers both configurations to meet your installation requirements. ASME tank mounted units offer you reduced system floor space. Tanks can also be easily field mounted.

AIR OR WATER COOLED DESIGN

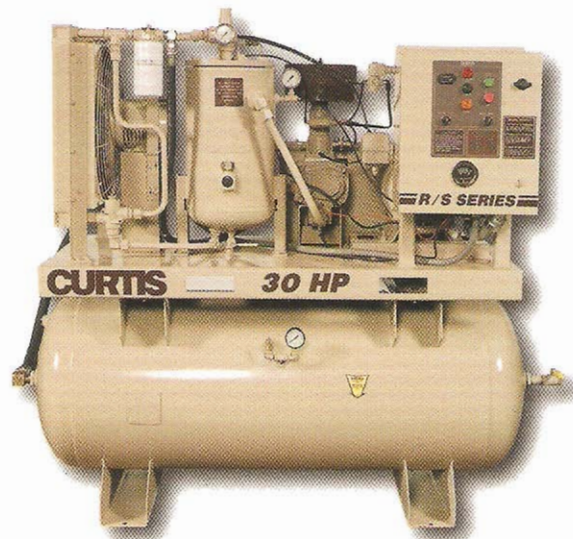
Depending on your requirements, Curtis offers water cooled units in addition to our standard air cooled packages.

ELECTRICAL CABINET

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.

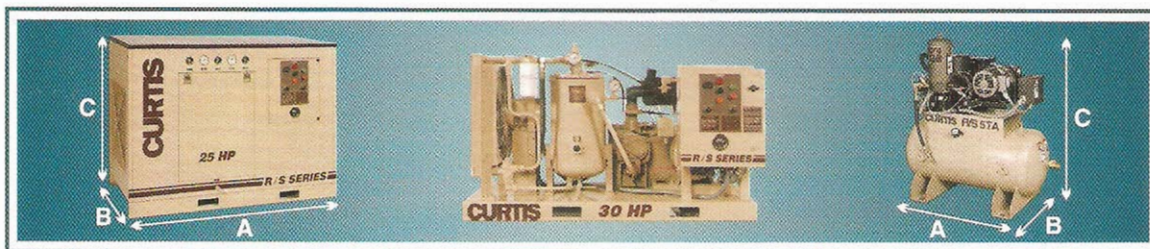
LEAK FREE DESIGN

Using minimal components along with SAE O-ring sealed connections, Curtis units are designed to eliminate potential leaks.



RS SERIES

ROTARY SCREW COMPRESSORS, 5-50 HORSEPOWER



BASE MOUNTED

MODEL	HP	Mount	CFM @				WT LBS		DIMENSIONS			Outlet NPT
			100 psi	125 psi	150 psi	175 psi	Open	Enclosed	A"	B"	C"	
R/S 5A	5	Base	19	18	15	-	165	N/A	32	22	20	1/2
R/S 7A	7 1/2	Base	27	26	23	-	175	N/A	32	22	20	1/2
R/S 10	10	Base	42	39	34	28	N/A	350	27	27	34	3/4
R/S 15	15	Base	67	58	48	44	640	790	60	30	43	3/4
R/S 20	20	Base	88	82	71	61	985	1135	60	30	43	1
R/S 25	25	Base	108	104	92	80	1060	1210	60	30	43	1
R/S 30A	30	Base	125	118	106	100	1100	1375	60	30	43	1
R/S 30	30	Base	140	130	118	97	1150	1425	60	30	43	1
R/S 40	40	Base	191	173	150	129	1425	1630	72	42	50	1 1/4
R/S 50	50	Base	225	212	186	172	1750	1955	72	42	50	1 1/4

TANK MOUNTED

MODEL	HP	Tank Gals	CFM @				WT LBS		DIMENSIONS			Outlet NPT
			100 psi	125 psi	150 psi	175 psi	Open	Enclosed	A"	B"	C"	
R/S 5-TA	5	60	19	18	15	-	375	N/A	50	24	48	1/2
R/S 7-TA	7 1/2	60	27	26	23	-	385	N/A	50	24	48	1/2
R/S 10-T	10	80	42	39	34	28	860	1010	75	30	69	3/4
R/S 15-T	15	80	67	58	48	44	875	1025	75	30	69	3/4
R/S 20-T	20	120	88	82	71	61	1305	1455	75	30	74	1
R/S 25-T	25	120	108	104	92	80	1380	1530	75	30	74	1
R/S 30A-T	30	120	125	118	106	100	1420	1570	75	30	74	1
R/S 30-T	30	120	140	130	118	97	1470	1620	75	30	74	1
R/S 40-T	40	200	191	173	150	129	1745	1950	80	43	86	1 1/2
R/S 50-T	50	200	225	212	186	172	2170	2375	80	43	86	1 1/2

STANDARD EQUIPMENT

Air End Manufactured to ISO 9001 Standards
 Heavy Duty ODP NEMA Designed Motors
 Drive Guard
 Intake Filter Silencer, Heavy Duty Standard 40-50 HP
 Heavy Duty Oil Filter with Bypass
 Multi-Stage Oil Separator Unit
 Minimum Pressure Valve
 Oil Level Sight Glass
 Vented Oil Fill Plug
 Thermostatic Oil Control Valve
 Side by Side Air/Oil Cooler
 Factory Fill Synthetic Lubricant
 Convenient Main Frame Handling Slots

Nema 1 Control Panel with Starters
 115 Volt Control Transformer
 Control Circuit with Fused Protection
 Start-Stop Buttons
 Load/Unload Switch
 Start-Stop Control, 5-7 1/2 HP
 Timed Dual Control, 10-20 HP
 Timed Dual Control with Modulation, 25-50 HP
 Hour Meter
 Dual High Temperature Shut Down Switches
 Temperature Gauge
 Line Pressure Gauge, Liquid Filled
 Separator Pressure Gauge, Liquid Filled

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& Excellence Since 1854*

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