Houston Compression & Services

Houston's solution for high quality compressed air and process gas systems

Houston Compression & Services

Who We Are

Houston Compression & Services supplies air compressors, gas compressors and ancillary equipment to meet the demands of the Houston market. In addition to supplying stand alone compressors, our engineering team is here to help customize systems to meet your specific requirements.

HCS supplies and services the Industrial, Oil & Gas, Petrochemical and Medical industries with CompAir air compressing products including Quantima, Hydrovane, Champion and Reavell. CompAir's product range has been developed and honed through nearly 200 years of experience within the industry.

To accommodate the gas industry, Houston Compression & Services offers a complete line of LeROI gas compressors. LeROI has been supplying process gas compressors specifically designed to meet the demands of the gas industry for over 25 years, building a reputation as one of the major suppliers in the industry.

HCS is part of the IGS family of companies including Generon IGS, Houston Vessel Manufacturing and Global Nitrogen Services.

Local Coverage

Houston Compression & Services is located in Houston, Texas right off 249 and Beltway 8, we have service technicians staffed and ready to assist you 24 hours a day 7 days a week.

Our full service technicians can service any type or brand of compressor or compressor equipment.

Our Products

Compressors

- Rotary Vane Compressors
- Rotary Screw Compressors
- Reciprocating Air Compressors
- Gas Compressors
- High Pressure Compressors / Boosters
- Centrifugal Compressors—Quantima

Rotary Screw Compressor

Ancillary Equipment

- Air Dryers
- Storage Tanks / Air Receivers & Equipment
- Nitrogen Generators
- Filters
- Mist Eliminators
- Condensate Drains
- Oil / Water Separators
- Quick-Lock Tubing

Vane Compressor

Oil-Free Centrifugal Compressor

Houston Compression & Services

Rotary Screw Compressors

CompAir—A Division of Gardner Denver

- **Oil-Less**

  Flow: 24 to 634 CFM

  Discharge Pressure: 75 to 145 psig

  Horsepower: 20 to 50 HP

  Oil Content: non detectable

- **Oil-Free**

  Flow: 401 to 768 CFM

  Discharge Pressure: 60 to 152 psig

  Horsepower: 100 to 200 HP

  Oil Content: non detectable

- **Lubricated**

  Flow: 46 to 1512 CFM

  Discharge Pressure: 100 to 190 psig

  Horsepower: 7 to 330 HP

  Oil Content: 1 to 3 ppm

Vane Compressors

CompAir—Hydrovane—A Division of Gardner Denver

- **Lubricated**

  Flow: 6.3 to 227 CFM

  Discharge Pressure: 100 to 150 psig

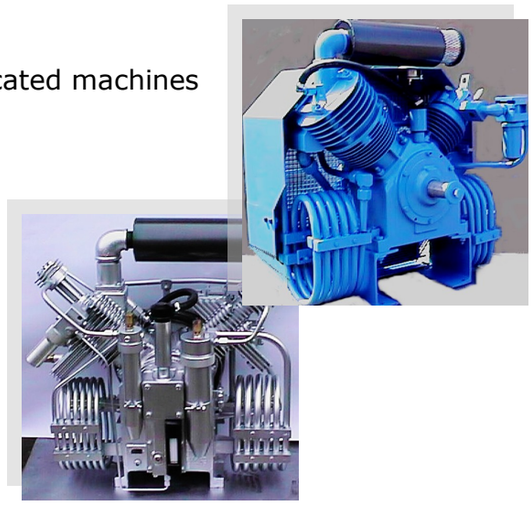
  Horsepower: 2 to 60 hp

  Oil Content: less than 3ppm

- Provides consistent supply of high quality, pulse free air
- Designed to handle difficult environments

Reciprocating Compressors

CompAir—Reavell—A Division of Gardner Denver



- High Pressure Compressors and Boosters
- High Pressure 230 psig up to 6000 psig
- Multi-stage reciprocating air and water-cooled lubricated machines
- **Air-Cooled Products:**
  - 5200 Series: 230 to 580 psig
  - 5300 Series: 580 to 1200 psig
  - 5400 Series: 1200 to 6000 psig
- **Water Cooled Products:**
  - 5200 Series: 150 to 580 psig
  - 5300 Series: 580 to 1200 psig
  - 5400 Series: 2000 to 6000 psig

Reciprocating Compressors

CompAir—Champion—A Division of Gardner Denver

- Units are supplied as belt driven, base mount, simplex, duplex or skid packaged complete with dryer, air receiver, filtration with a multitude of most common options.
- **Pressure Lubricated**

  Flow: 6 to 127 CFM

  Discharge Pressure: 100 to 250 psig

  Horsepower: 1.5 to 30 HP

  Oil Content: 15 to 20 ppm

- **Splash Lubricated**

  Flow: 6 to 127 CFM

  Discharge Pressure: 125 to 250 psig

  Horsepower: 1.5 to 30 HP

  Oil Content: 15 to 20 ppm

- **Oil-Less**

  Flow: 1.7 to 56.5 CFM

  Discharge Pressure: 50 to 150 psig

  Horsepower: .75 to 15

  Oil Content: non detectable

Houston Compression & Services

Centrifugals

CompAir—Quantima—A Division of Gardner Denver

Delivering a major breakthrough in oil-free compressor technology

- No gearbox, no oil, no contacting points & no mechanical wear. Just a single moving part, spinning in a magnetic field at up to 60,000 rpm.
- Offering outstanding energy efficiency, reliability and low environmental impact, Quantima also offers low noise levels at 69dB(A) and a physical foot-print around 40% smaller than a standard oil-flooded compressor.
- **Oil-Free Variable Speed Centrifugal**

  Flow: 1377 to 1861 CFM

  Discharge Pressure: 72 to 116

  Horsepower: 300 to 400

  Oil Content: non detectable

System Benefits

√**Efficiency—up to 25% energy savings compared to a standard oil-flooded screw compressor.**

√**Low Operating Costs**—lowers maintenance cost because there is no oil in the machine that needs to be filtered or replaced, and no gear box to maintain.

√**Variable Speed**—you can match the compressor output with the plant air needs, making the system extremely efficient.

√**No Contact Points**—compressor will last longer because there is no wear.

√**Best of Both Worlds**—Quantima is a compressor that can match your air needs and cut your energy and maintenance costs while providing you with clean, oil-free air.

Process Gas Compressors

LeROI—A Division of Rotary Compression Technologies

- LeROI Gas Compressors, headquartered in Sidney, Ohio, is one of the world's leading suppliers of process gas compressors for VRU, gas gathering, bio gas, landfill gas and other applications.
- The product line offers a full range of compressor capabilities:

Single-Stage Units—12 Single Stage Models

Flow: 20 to 15,000 MSCFD

Power Requirements: 10 to 800 HP

Suction Pressures: 20" HG to 50 PSIG

Discharge Pressures: to 350 PSIG

Two-Stage Units—Four Two Stage Models

Flow: 1,000 to 13,000 MSCFD

Power Requirements: 350 to 600 HP

Suction Pressures: 20" HG to 20 PSIG

Discharge Pressures: to 500 PSIG

- All Models come with a full range of Standard Features and Available Options
- **Standard Features**

Integral Gearing with most models

Ability to adapt to various input speeds

Heavy duty bearings

Versatrol Capacity Control: 50% turndown

No Yellow Metals in contact with gas flow

Corrosion Resistant Ductile Iron Rotors

- **Available Options**

Oil pumps (all models)

SAE and NEMA Mounts (most models)

Factory Modules to expedite packaging

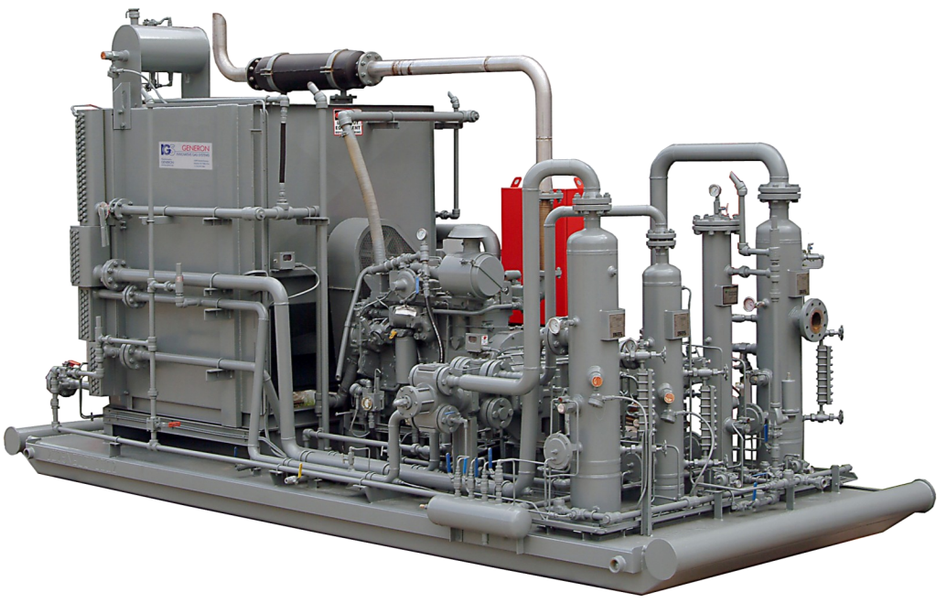
Gas / Oil Reservoirs with ASME and CRN Registry

Houston Compression & Services

Engineered Systems

Generon IGS

Houston Compression & Services can assist with the detailed engineering, planning and installation of custom engineered solutions. Our experienced engineering staff is highly-skilled at meeting approval drawings and Vendor Data Requirement List (VDRL) criteria. We have the capabilities to design compressors based on your specifications.



Air Dryers

CompAir—Refrigerated

- 39°F Dew Point
- High Ambient Dryer 20 to 125 scfm and 185 degrees F inlet, max 175 psig
- High Pressure Dryer 30 to 3,000 scfm inlet and up to 725 psig inlet
- Cycling Refrigerated Dryer 90 to 675 scfm @ max pressure 232 psig
- High Capacity Refrigerated Dryer 2,000 to 20,000 scfm @ 175 psig
- Non Cycling Refrigerated Dryer 10 to 3,000 scfm

CompAir—Twin Tower Desiccant

- -40°F Dew Point
- Heatless Desiccant 40 to 5400 scfm @ 150 psig
- Heated Desiccant dryer 300 to 3,000 scfm @ 150 psig
- Blower Purge Desiccant 500-4300 scfm @ 150 psig

CompAir—Single Tower Desiccant

- 40°F Dew Point
- flows from 5 to 30 scfm @ 150 psig

CompAir and Generon IGS—Membrane Dryers

- Inlet flows from fractional cfm to 175 Max pressure 200 psig, dew point is dependent on temperature

Air Receivers / Storage Tanks

Houston Vessel Manufacturing

- Custom designed receivers from 100 to 10,000 gallons
- Pressures up to 5,000 psig

Nitrogen Generators

Generon IGS

- Houston Compression & Services has cabinet-sized nitrogen generators and small skidded systems to meet your site’s nitrogen generation needs. These are fabricated by our sister company Generon IGS.
- Purities available from 95% to 99.9995%
- We have the ability to meet flow demands for any application.

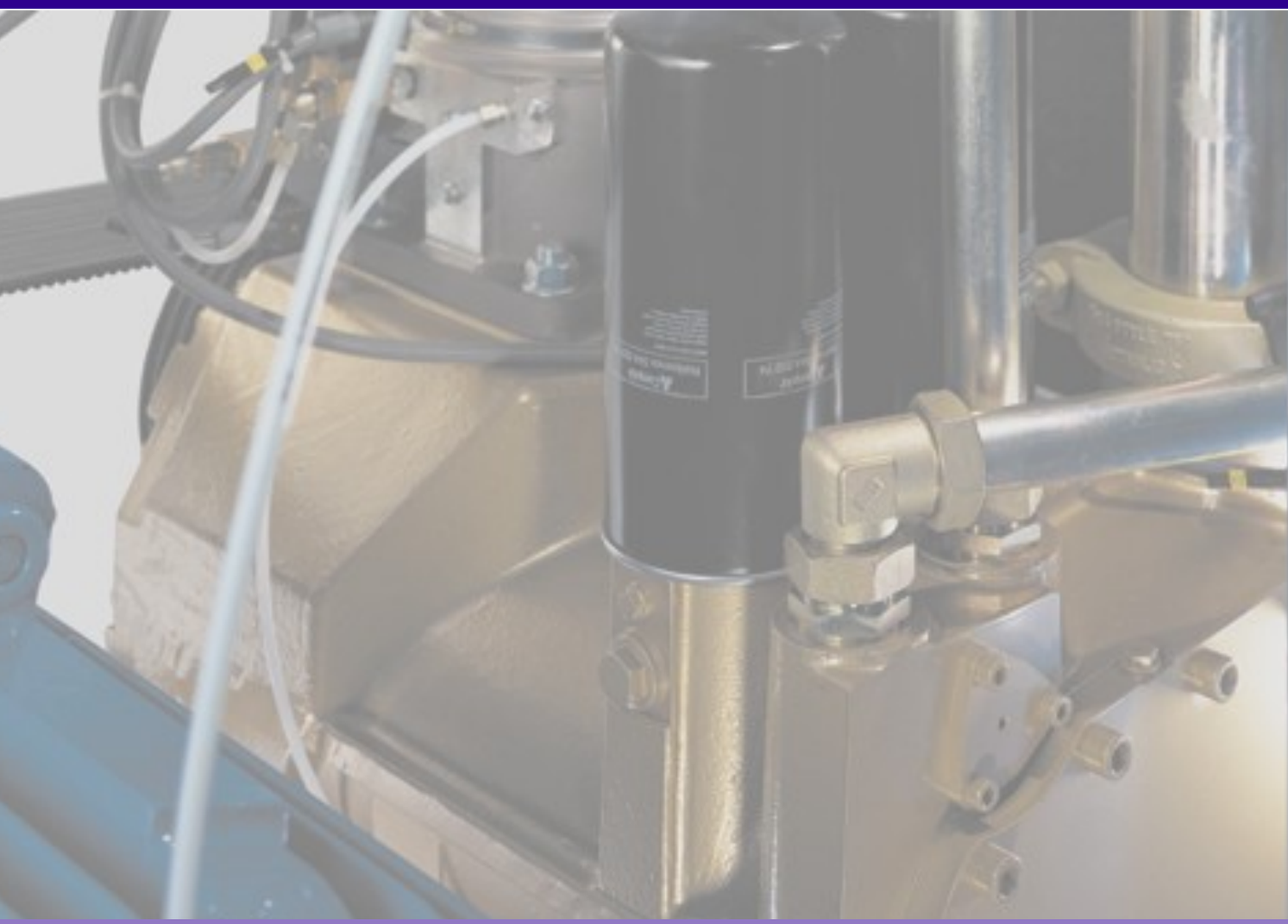
Houston Compression & Services

Rentals, Service & Parts

- Our factory trained service technicians are prepared to service your account 24/7.
- Only Factory approved Oil will be used in repairing your equipment.
- The majority of time equipment can be repaired or replaced on sight.
- Rental equipment will be supplied at a reduced rate if required by any customer we have a service contract with.
- Our service technicians can service all brands and all types of compressors.
- Service contracts available.
- Start-up service offered.
- Emergency services, and temporary rental of compressors offered to ensure you still meet your air compression needs while your system is down.

Call Houston Compression & Services today at 713-550-1556 for more details on

- **› Air Compressors,**
- **› Gas Compressors,**
- **› Custom Engineered Solutions,**
- **› Parts and**
- **› Service!**



Houston Compression & Services is an Authorized Distributor of the following:

CompAir

hydrovane

CHAMPION®

Quantima®

Reavell

LeROI® Gas Compressors
by Rotary Compression Technologies, Inc.

Houston Compression & Services

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