

1) Commercial Refrigeration Compressor Spares

Carrier / Voltas Compressor Spares



5 H Series

5H 40/ 46, 5H 60/66, 5H80/86, 5H 120/ 126

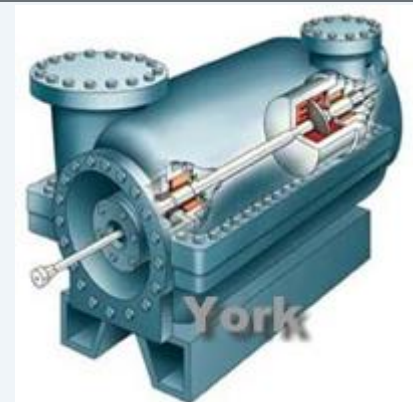
5F Series

5F20, 5F30, 5F40, 5F60

06 D / 06 E Series

06 D 48 / 18, 06 D 68 / 24, 06 D 75 / 36, 06 DA, 06EA, 06 EB, 06 EC, 06 EA, 06 EE.

York / Bluestar / Snowtemp Compressor Spare



J Series

Js 42 G, Js 43 G/ 63 G / 83 E, JS 44 G / 64 G / 84 E, JS 43 F / 63 F / 83 F, JS 44 F / 64 F /84 F

2B / 2T

Cylinder (2-5/8" & 2/2)

4B / 4T

Cylinder (4 " & 4 ")

Trane / Utility Of Compressor



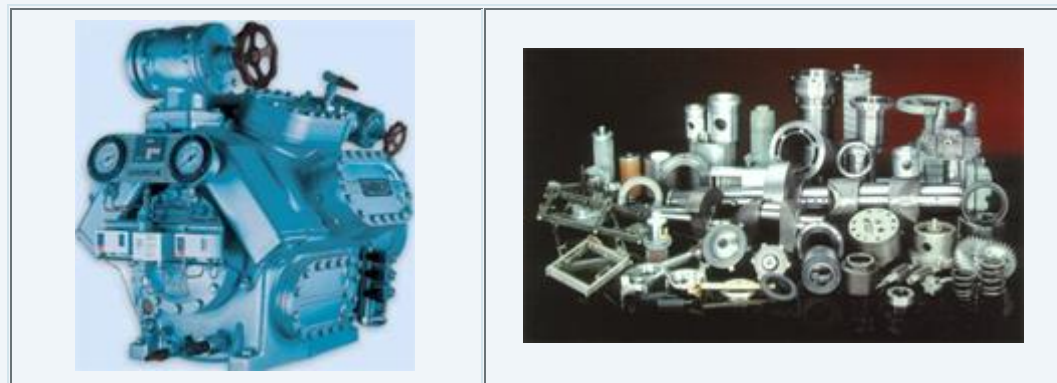
E - Series

3E5H 40, 3E 5H 50, 3E 5H 60, 3E 5H 80.

F - Series

3F 5B 30, 3F 5B 40, 3F 5B 50, 3F 5B 60, 3F 5B 80

Sabroe / Akcell Compressor Spares



SMC - 100 Series

SMC -4-100, SMC-6-100, SMC-8-100, Type S, Type L, Type E, Type ASMC

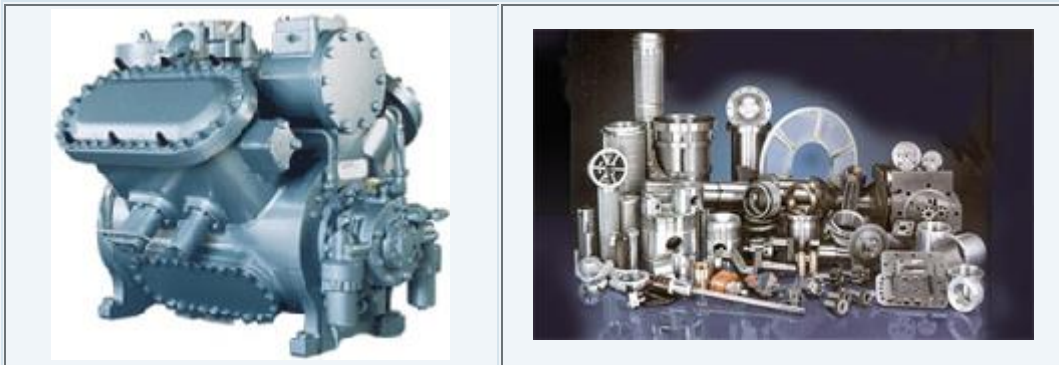
SMC-65- Series

SMC-2-65, SMC-3-65, SMC-4-65, SMC-6-65, SMC-8-65, Type ASMC

CMO Series

CMO-14 / 16 / 18 / 24 / 26 / 28 .BFO, BFK, BFM, RKo.

Grasso / Kirloskar Compressor Spares



KC Series

KC- 2 / 3 / 4 / 6 / 9 / 12 / KC- 21 / 31 / 42 / 51 / 63 / 72 / 93 / 102

RC - 11 / 12 Series

2,3,4,6,9, Cylinder

AC-70 Series

AC - 4 - 70, AC - 5-70, AC - 6 -70, AC - 8 - 70, AC - 10 - 70, AC - 12 - 70, AC - 14 - 70, AC - 16 - 70 .

AC - 80 Series

PC - 2 / FK - 4 / FK - 3

Stal / Alfalaval Compressor Spares



Models P & U series

P2,P4.P6 & U2, U4,U6

Also Available

BOCK : (Fseries) BITZER : (4G / 6G); COPELAND (RJ ,RH, CC, 6R Series)
Mycom (A & B); VILTER ; DORIN ; Gram (75 /100 / 125 Series)

Bock Compressor :



Type F : F-2, F-3, F-4, F-5

Type FK : FK-2, FK-3, FK-4, FK-5

Diakin / Batliboi Compressor :



75 SERIES: Open Type : 4C 75, 4C 75L, 4C 75(2)-E, 6C 75, 6C 75L, 8C 75L, 6C 75(2)-E, 8C 75, 8C 75L, 8C 75(2)-E, 12C 75, 12C 75L

Semi-Hermetic Type : 4HC 75 2S, 4HC 75 2L, 6HC 75 2S, 6HC 75 2L, 8HC 75 2S, 8HC 75 2L, 6HC 75, 6HC 75L, 8HC 75, 8HC 75L

55 SERIES: Open Type: 4C 55, 4C 55(2), 4C 55(2)-E, 6C 55, 6C 55(2), 6C 55(2)-E, 8C 55(2), 8C 55(2)-E

Semi-Hermetic Type: 3HC 55, 4HC 55, 6HC 55

58 Series Type C: 2C 58(2)-SE, 2C 58(2)-SE-F, 2C 58(2)-LE, 2C 58(2)-LE-CF

Bitzer Compressor :



4G/6G, 2N/4N, 2T/4T, 4H/6H

Gram Compressor :



- HC 75
- HC 100
- HC 125

Mycom Compressor :



A Series: 4A, 6A, 8A, 42A, 62A

B Series: 4B, 6B, 8B, 12B, 16B, 42B, 62B, 124B

Copeland Compressors :



- D8D DISCUS
- D8R+S - 2 + 4 + 6 + 8CC
- D6 + 4D DISCUS
- D6 + 4R+S
- D9D + D3D DISCUS
- D9R
- DMR
- DN
- DL + DLSG
- DK

Vilter Compressors :



Type VMC 440 : 2, 4, 6, 8, 12 & 16 Cylinder

Type VMC 450 : 2, 4, 6, 8, 12 & 16 Cylinder

2) Air Compressor Spares

Air Compressor Spares





Ingersoll Rand Type 30 Model Compressors



Ingersoll Rand Compressors since a long time. Ingersoll -Rand Thermo Star Refrigeration Dryers are available in 16 models of different sizes to suit all applications. We are also well renowned as one of the reliable Ingersoll rand compressor suppliers in India.

Also Available

- * Ingersoll Rand (Type - 30, ESV, ESH, IHE, Series)
- * Atlas Copco - VT - 4 / 5 / 6, Screw - GA / XA Series
- * Chicago Pneumatics India - PBT / TCb / TU And HX / MX - Hn Series and Fe series
- * Elgi equipments - SC / TC series and fast moving spares of screw comp.
- * Ingersoll Rand - Type 30 / 40, ESV, ESH, HSE, IEH series compressor spares
- * K.G.Khosla - Grage comp. HA, HB , HY series / VYD / YDT - KG series comp

* Kirloskar Pneumatics - EH / TC, BTD and TBTD series - BD and TBD series

* Hemworthy

Ingersoll Rand Type ESV & ESH Compressor Spares



Reciprocating Air Compressors & Vacuum Pumps



3) Compressor Spares and Accessories

Connecting Rods



1) Connecting rods are available in MOC of Aluminium, Leaded bronze, SG Iron & Forging.

2) All the Connecting rods are machined on both the sides. Centre distance between big end & small end is maintained for perfect straightness & perfect boring of big end & small end.

3) Big end & small end of connecting rods are perfectly bored so as to match original clearances with steel bush for Air cooled unit & aluminium / Bronze floating bushes for water cooled unit.

4) The above Connecting Rods are available ex-stock & ready for shipment in case of urgency.

5) The forged connecting rods are drilled internally perfect to maintain lubrication & oil pressure of unit

Crankshaft



1) Crank shafts are available for both the type of compressor that is Air cooled & Water cooled unit.

2) Crank shaft for Air cooled compressors rotates on heavy duty ball Bearings which are hydraulic pressed with axial alignment. These Crank shaft are dynamic balanced for vibration free working of unit & properly drilled for mounting of centrifugal unloaders to release pressurised Air / Gas from Intercoolers during unload position.

3) Forged heavy duty Crank shafts are for water cooled heavy duty compressors. These crank shaft are machined and ground on Main Bearing Journal & crank pin Journal by maintaining diametral tolerance and axial tolerance perfectly with main Bearing bushing & crank pin bushing. Also Internally perfectly drilled for oil path for proper lubrication & to maintain oil pressure.

Cylinder Liners and Blocks



Cylinder Liners and Blocks are made from centrifugally casted, shell casted with close grained cast iron. Cylinder liners are duly heat treated. Cylinder bores are cross honned and diameters are properly ground finished to achieve the highest level of accuracy.

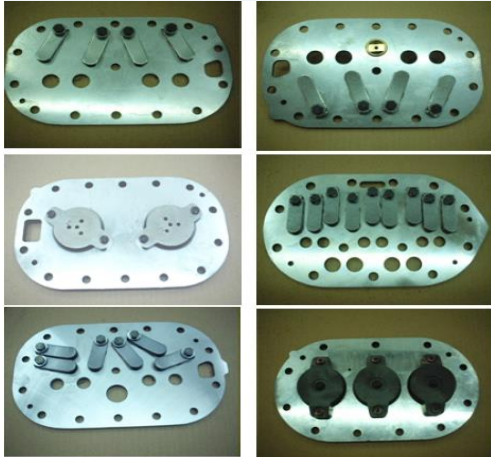
Mechanical Shaft Seals

These types of Seals are single coil spring with elastomeric bellows. Designed for Water, Oils and Light duties. These Seal function independent of direction of rotation special materials can be offered to meet specific



requirement.

Valve Plate



EN.47 ,47J , chrome alloy discharge and suction valve plates and spring plates Graded cast iron valve plates dully heat treated with micro finish. Valve plates of different designs are manufactured as per OEM'S specifications made out of carbon steel, S.G. iron castings, graded closed grained cast iron etc. and properly ground to fine finish for immediate matching with the related components. Valve assemblies are manufactured in different designs viz., reed type, ring type, concentric type, channel type, dampened disc type. Valve assemblies are made out of stainless steel, carbon steel , S.G. iron etc. Valve plates are made out of flapper valve steel, spring steel. Valve seats and valve plates are micro lapping finish to ensure zero leakage.

Piston :

Pistons are made up of aluminum alloys, Graded cast iron pressure die casted & shell moulded piston are available.

Piston Pin & Crank Pin are manufactured from case hardening alloy-steel of recommended grade i.e. EN32B, 20 mncr5, SAE8620, EN 353 & 415H or equivalent etc.



4) Compressor Connecting Rod

Connecting Rods

- 1) Connecting rods are available in MOC of Aluminium, Leaded bronze, SG Iron& Forging.
- 2) All the Connecting rods are machined on both the sides. Centre distance between big end & small end is maintained for perfect straightness & perfect boring of big end & small end.
- 3) Big end & small end of connecting rods are perfectly bored so as to match original clearances with steel bush for Air cooled unit & aluminium / Bronze floating bushes for water cooled unit.
- 4) The above Connecting Rods are available ex-stock & ready for shipment in case of urgency.
- 5) The forged connecting rods are drilled internally perfect to maintain lubrication & oil pressure of unit



5) Compressor Crankshaft

Crankshaft

- 1) Crank shafts are available for both the type of compressor that is Air cooled & Water cooled unit.
- 2) Crank shaft for Air cooled compressors rotates on heavy duty ball Bearings which are hydraulic pressed with axial alignment. These Crank shaft are dynamic balanced for vibration free working of unit & properly drilled for mounting of centrifugal unloaders to release pressurised Air / Gas from Intercoolers during unload position.
- 3) Forged heavy duty Crank shafts are for water cooled heavy duty compressors. These crank shaft are machined and ground on Main Bearing Journal & crank pin Journal by maintaining diametral tolerance and axial tolerance perfectly with main Bearing bushing

& crank pin bushing. Also Internally perfectly drilled for oil path for proper lubrication & to maintain oil pressure.



6) Compressor Cylinder Liner

Cylinder Liners and Blocks

Cylinder Liners and Blocks are made from centrifugally casted, shell casted with close grained cast iron. Cylinder liners are duly heat treated. Cylinder bores are cross honned and diameters are properly ground finished to achieve the highest level of accuracy.



7) Compressor Mechanical Shaft Seals

Mechanical Shaft Seals

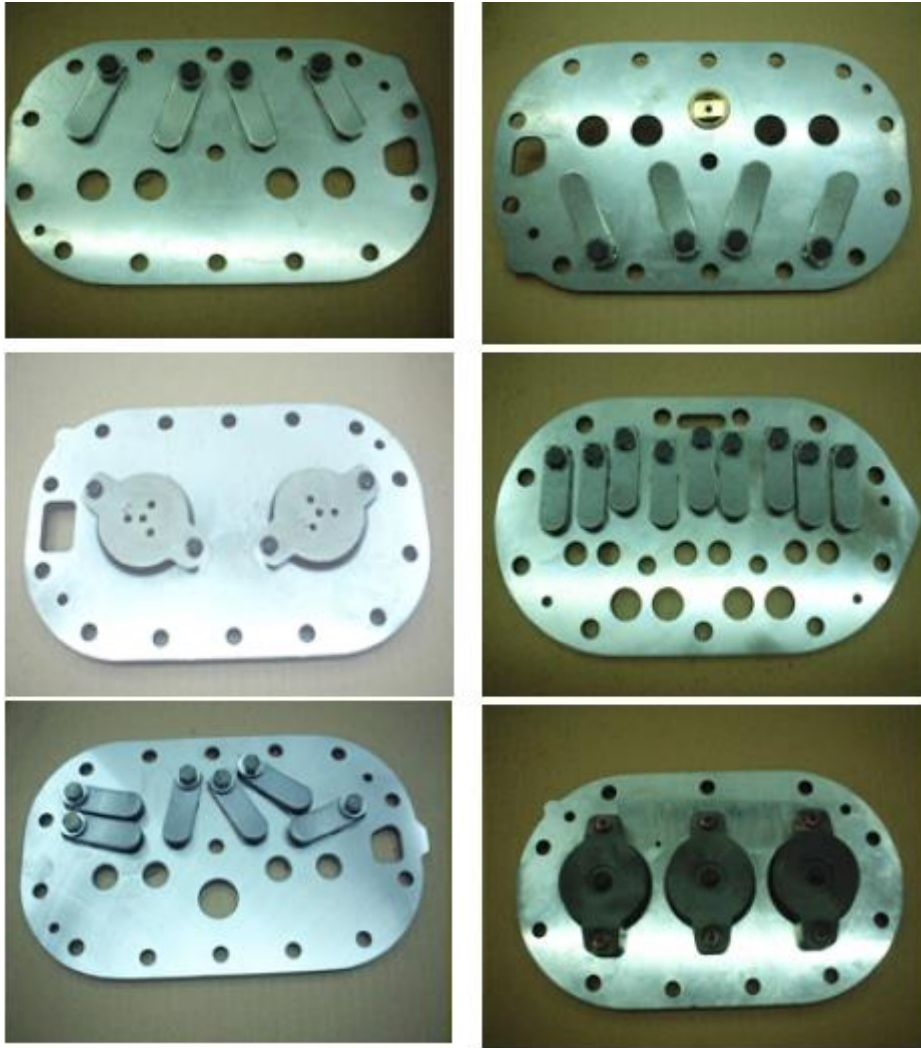
These types of Seals are single coil spring with elastomeric bellows. Designed for Water, Oils and Light duties. These Seal function independent of direction of rotation special materials can be offered to meet specific requirement.



8) Compressor Valve Plate

Valve Plate

EN.47 ,47J , chrome alloy discharge and suction valve plates and spring plates Graded cast iron valve plates dully heat treated with micro finish.Valve plates of different designs are manufactured as per OEM'S specifications made out of carbon steel, S.G. iron castings, graded closed grained cast iron etc. and properly ground to fine finish for immediate matching with the related components. Valve assemblies are manufactured in different designs viz., reed type, ring type, concentric type, channel type, dampened disc type. Valve assemblies are made out of stainless steel, carbon steel , S.G. iron etc. Valve plates are made out of flapper valve steel, spring steel. Valve seats and valve plates are micro lapping finish to ensure zero leakage.



9) Compressor Piston

Piston :

Air / Gas Compressor Piston Of Akcell /Sabroe, Bock, Bitzer, Copland, Carrier/ Voltas, Daikin/Botliboi, Grasso / Kirloskar, Holman, Mycom, Stal / Alfa Level, Trane, York, & Others

Pistons are made up of aluminum alloys, Graded cast iron pressure die casted & shell moulded piston are available.

Piston Pin & Crank Pin are manufactured from case hardening alloy-steel of recommended grade i.e. EN32B, 20 mncr5, SAE8620, EN 353 & 415H or equivalent etc.



Pressure Control



Adjustable Pressure Range Convertible Reset options Available

Oil Separator



**Impingement & Centrifugal
Wide product
Range, 1.5 To 127 Ton
nominal R22 Capacity**

Multi Capacity TEV Type EMC Series Expansion Valve



**To separate port design A large port for pulldown loads & a smaller port to control holding loads
Improves Superheat control & provides higher energy efficiency**

Multi Capacity TEV Type EMC Series Expansion Valve



Take apart Construction. Capacity 1/2 To 100 Tons

SPORLAN

Thermostatic Expansion Valves



Replaceable thermostatic elements for standard alternative refrigerators. Selective charges for different evaporating temperatures.

Solenoid Valves



Direct Actioning & pilot operated Normally open or closed Available in different styles for liquid suction & discharge line

Moisture & Liquid Indicators



Fused glass design Available in different styles with connection sizes 1/4 - 2 1/8.

Solenoid Valves



HONEYWELL

FCU Valves & Actuators



Direct Coupled Actuators



Water Flow Switch



FCU Valves & Actuators



Air Pressure Gauge



Valve Actuators



Globe Valves

Globe Valves



V5011P , V5013P ,
V5050 , V5088 , V5211 ,
V5328 , V5329

Butterfly Valve

Butterfly Valves

V4MBF

V4HBF

V4ABF



Honeywell



Honeywell



Balancing Valve

Balancing Valve



CASTLE



Valves



Flow Switch



Solenoid Valve



Door Latch

Door Latch Set with
Internal Safety Release



Safety Device

Safety Device



Strainers

Strainers



Replaceble Solid Core Filter

Replaceble Solid Core
Filter Drier



Accumulator

Oil Separator

Accumulator



Oil Separator



Moisture Liquid Indicator

Moisture Liquid Indicator



Liquid level Switch

Liquid Level Switch



Pressure Control



Liquid Level Controller

Liquid level Controller



11) Refrigerant Gas

Refrigeration Gases R - 134

We provide refrigeration gases R-134 that is used as refrigerant in automobile air-conditioning, household and commercial refrigeration applications. It is also used as aerosol, flame retardant, and blowing agent.

Features :

- * Non-toxic
- * Accurate composition
- * Noncombustible

Refrigeration Gases R - 11

We offer Refrigeration gases R-11 that is also known as Freon. This gas is used as a refrigerant in refrigerator and air conditioning system. It is also used in process chiller and industrial refrigerant plants.

Features :

- * Non-toxic
- * Accurate Composition
- * Efficient in cooling

Refrigeration Gases R - 123

We provide Refrigeration Gases R-123 (Dichlorofluoroethane) which is highly pure. The refrigeration gas provides efficient cooling and is widely used in air conditioning system.

Refrigeration Gases R - 12

Our Refrigeration Gases R-12 is known as freon which is a colorless, odorless substance. The refrigeration gas is pure and for cooling purpose.

Features :

- * Accurate composition
- * Non toxic

* Environmental friendly

Refrigeration Gases R - 404

We present refrigeration gases R-404 which is a kind refrigerant which comes with advanced features that replaces R22, R502. This gas is efficient in cleaning and provides good refrigeration.

Features :

- * Non toxic
- * Non Flammable
- * Accurate composition

Refrigeration Gases R - 407

We offer refrigeration Gases R-407 which provides efficient cleaning. It is a type of refrigerant of surrounds-protection model which is used in replacing R22 R502. This is widely used in air-conditioner system.

Features :

- * Non toxic
- * Non-combustion
- * Accurate composition

Refrigeration Gases R - 410



Industrial Refrigeration Gases R - 22



More Gases..

Refrigeration Gases R - 23

Refrigeration Gases R - 502

Refrigeration Gases R - 507, HFC-125, HFC-152A, HCFC-141B, HCFC-143A, HFC-32, HFC-227EA, R290 etc.

12) Brass Product

Application : These diaphragm type hand shut off valves are designed for installations in liquid, suction and hotgas lines of commercial refrigerating systems and on civil and industrial air-conditioning systems.



Application : These receiver valves are designed for installation on commercial refrigerating systems and on civil and industrial air-conditioning systems. They are suitable for all refrigerant fluids except Ammonia.



Application : These globe valves are designed for installation on commercial refrigerating systems on civil and industrial air-conditioning systems.



Application : These check valves are designed for installation in liquid, suction and hotgas lines on commercial refrigerating systems and on civil and industrial air-conditioning systems.



Distributors :



13) Compressor Oil Pumps

We provide an extensive range of oil pumps and gears, which are meant for different types of compressors having precision cut gears as per OEM's specifications. These are widely used for industrial purposes. Part components of oil pumps are also available as per customer requirements.

Grasso : RC 11, KC AC 70, RC6, KA85, PC2, RC9
Sabroe: SMC-65, SMC-100, SMC-180, CMO-14, CMO-28
York : JS Series
Bock : F4, F5, F3
Carrier : 5F & 5H40, 5H120, 06E
Bitzer : 4G, 6G
Copeland : D3, D4RA, 4RH, 6DA, 6RT
Trane : OPEN E&F;
Daikin : C55, C75
Stal : P Series



Compressor Oil Pumps



Compressor Oil Pump



Refrigeration Compressor Oil Pump

14) Manufacturers & Exporters of Reconditioning / Refurbishing Refrigeration Compressor (Replacement Parts)





15) Copeland Scroll Compressor

Copeland Scroll Compressor



Copeland ZR 72 Compressor



Copeland ZR 61 Compressor



Copeland ZR 42 Compressor



Copeland ZR 108 Compressor



Copeland ZR 144 Compressor



Copeland ZR 81 Scroll Compressor



16) Danfoss Scroll Compressor

Danfoss Scroll Compressor SM 185



Danfoss Scroll Compressor SM120



Danfoss Scroll Compressors SY 300



17) Manufacturers & Exporters of Refrigerant Oil Emkrate (Replacement Parts)



Emkarate Oil - RL 32H



Emkarate Oil - RL 68H



Emkarate Oil - RL 170H

18) Manufacturers & Exporters of Refrigerant Oil Suniso Oil (Replacement Parts)



Suniso Oil 3gs



Suniso Oil 4gs



Suniso Oil 5gs

