

# Howden Compressors

Old Govan Road  
Renfrew PA4 8XJ



## Recommended Spares List for Howden Compressor

### MODEL Mk1A-F WRV(H) 163/145 & 180

#### REPLACEMENT SHAFT SEAL KIT – KS163

PART NUMBER	DESCRIPTION	QUANTITY
KS163	Input Shaft Seal c/w Cover O'Ring G44054	1

#### ANNUAL INSPECTION KIT – KW163-1

PART NUMBER	DESCRIPTION	QUANTITY
G31002	Spring Washer – ½"	48
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal ½" BSP	1
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking Wire – 1/32" Dia.	2 metres
Q4521	Lockwasher 50mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R16044	Lockwasher 30mm (Piston Rod / Slide Valve)	1
R16164	PTFE Ring (Actuator Piston)	1
R20044	Joint for Superfeed	2
R25145	PTFE Ring (Piston rod)	1
R16101 - OK	O' - Ring Kit	1 Kit containing:
	G44001 – O'Ring (Piston Rod)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44006 – O'Ring (Cylinder Cover)	1
	G44052 – O'Ring (Main / Inlet / Outlet)	2
	G44053 – O'Ring (Actuator Piston)	1
	G44054 – O'Ring (Rotor Covers)	2
	G44055 – O'Ring (Cylinder Spigot)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60114	Retaining Ring (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT163

PART NUMBER	DESCRIPTION	QUANTITY
G51081	Angular Contact Bearing	4

#### REPLACEMENT JOURNAL BEARING KIT – KWJ163

PART NUMBER	DESCRIPTION	QUANTITY
R16063	Outlet End Journal Bearing	2
R16083	Inlet End Journal Bearing	2
G34045	Dowel Pin ¼"	4

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## Recommended Spares List for Howden Compressor

### MODELS Mk1G/H WRV(H) 163/145 & 180

#### REPLACEMENT SHAFT SEAL KIT – KS163

PART NUMBER	DESCRIPTION	QUANTITY
KS163	Input Shaft Seal c/w Cover O'Ring G44054	1

#### ANNUAL INSPECTION KIT – KW163-1

PART NUMBER	DESCRIPTION	QUANTITY
G31002	Spring Washer – ½"	48
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal ½" BSP	1
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking Wire – 1/32" Dia.	2 metres
Q4521	Lockwasher 50mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R16044	Lockwasher 30mm (Piston Rod / Slide Valve)	1
R16164	PTFE Ring (Actuator Piston)	1
R20044	Joint for Superfeed	2
R25145	PTFE Ring (Piston rod)	1
R16101 - OK	O' - Ring Kit	1 Kit containing:
	G44001 – O'Ring (Piston Rod)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44006 – O'Ring (Cylinder Cover)	1
	G44052 – O'Ring (Main / Inlet / Outlet)	2
	G44053 – O'Ring (Actuator Piston)	1
	G44054 – O'Ring (Rotor Covers)	2
	G44055 – O'Ring (Cylinder Spigot)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60114	Retaining Ring (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT163

PART NUMBER	DESCRIPTION	QUANTITY
G51081	Angular Contact Bearing	4

#### REPLACEMENT JOURNAL BEARING KIT – KWJ163

PART NUMBER	DESCRIPTION	QUANTITY
R16063	Outlet End Journal Bearing	2
R16083	Inlet End Journal Bearing	2
G34045	Dowel Pin ¼"	4

## Recommended Spares List for Howden Compressor

MODEL Mk1A-F WRV 163/145 & 180 [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS163-V

PART NUMBER	DESCRIPTION	QUANTITY
KS163-V	Input Shaft Seal c/w Cover O'Ring M6200347	1

### ANNUAL INSPECTION KIT – KW163-1-V

PART NUMBER	DESCRIPTION	QUANTITY
G31002	Spring Washer – ½"	48
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal ½" BSP	1
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking Wire – 1/32" Dia.	2 metres
Q4521	Lockwasher 50mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R16044	Lockwasher 30mm (Piston Rod / Slide Valve)	1
R16164	PTFE Ring (Actuator Piston)	1
R20044	Joint for Superfeed	2
R25145	PTFE Ring (Piston rod)	1
R16102 - OK	O' - Ring Kit (Viton)	1 Kit containing:
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200226 – O'Ring (Piston Rod)	1
	M6200241 – O'Ring (Cylinder Cover)	1
	M6200242 – O'Ring (Rotor Covers)	2
	M6200261 – O'Ring (Cylinder Cover)	1
	M6200347 – O'Ring (Actuator Piston)	1
	M6203848 – O'Ring (Main / Inlet / Outlet)	2
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60114	Retaining Ring (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT163

PART NUMBER	DESCRIPTION	QUANTITY
G51081	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ163

PART NUMBER	DESCRIPTION	QUANTITY
R16063	Outlet End Journal Bearing	2
R16083	Inlet End Journal Bearing	2
G34045	Dowel Pin ¼"	4

## Recommended Spares List for Howden Compressor

MODEL Mk1G-H WRV(H) 163/145 & 180 Fitted with Viton O'rings

### REPLACEMENT SHAFT SEAL KIT – KS163-V

PART NUMBER	DESCRIPTION	QUANTITY
KS163-V	Input Shaft Seal c/w Cover O'Ring M6200347	1

### ANNUAL INSPECTION KIT – KW163-1-V

PART NUMBER	DESCRIPTION	QUANTITY
G31002	Spring Washer – ½"	48
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal ½" BSP	1
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking Wire – 1/32" Dia.	2 metres
Q4521	Lockwasher 50mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R16044	Lockwasher 30mm (Piston Rod / Slide Valve)	1
R16164	PTFE Ring (Actuator Piston)	1
R20044	Joint for Superfeed	2
R25145	PTFE Ring (Piston rod)	1
R16102 - OK	O' - Ring Kit (Viton)	1 Kit containing:
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200226 – O'Ring (Piston Rod)	1
	M6200241 – O'Ring (Cylinder Cover)	1
	M6200242 – O'Ring (Rotor Covers)	2
	M6200261 – O'Ring (Cylinder Cover)	1
	M6200347 – O'Ring (Actuator Piston)	1
	M6203848 – O'Ring (Main / Inlet / Outlet)	2
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60114	Retaining Ring (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT163

PART NUMBER	DESCRIPTION	QUANTITY
G51081	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ163

PART NUMBER	DESCRIPTION	QUANTITY
R16063	Outlet End Journal Bearing	2
R16083	Inlet End Journal Bearing	2
G34045	Dowel Pin ¼"	4

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## Recommended Spares List for Howden Compressor

### MODEL Mk2A-H WRV(H) 204/110 & 165

#### REPLACEMENT SHAFT SEAL KIT – KS204-2/3/4

PART NUMBER	DESCRIPTION	QUANTITY
KS204-2/3/4	Input Shaft Seal c/w Cover O'Ring G44033	1

#### ANNUAL INSPECTION KIT – KW204-2

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	6
G32010	Straight Tab Washer ¼"	6
G32014	Straight Tab Washer ½"	12
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal ¼" BSP	4
G44001	O'Ring (Piston Rod)	2
G44005	O'Ring (Actuator Spindle)	1
G44006	O'Ring (Cylinder / Cylinder End Cover)	2
G44007	O'Ring (Actuator Piston)	1
G44010	O'Ring (Main / Outlet Mk2)	1
G44013	O'Ring (F/m Balance Piston Sleeve)	1
G44017	O'Ring (O.E. Journal Bearings – old brgs only)	2
G44021	O'Ring (Main / Inlet)	1
G44031	O'Ring (Guide Bracket)	1
G44032	O'Ring (Oil injection Pipe Mk2)	2
G44033	O'Ring (Rotor Covers)	4
G44034	O'Ring (Injection Pipe)	1
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60006	Retaining Ring (I.E. Journal Bearings)	2
G60068	Oil Return Pipe Lock Plate	4
Q4522	Lockwasher 45mm (Coupling)	1
Q4683	Lockwasher 65mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Actuator Piston)	1
R20065	PTFE Piston Ring	1
R20155	Adjusting Washer	8
R25145	PTFE Piston Rod Ring	2
R25205	PTFE Connecting Tube Ring	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

#### REPLACEMENT JOURNAL BEARING KIT – KWJ204-2/3/4

PART NUMBER	DESCRIPTION	QUANTITY
R20103	Inlet End Journal Bearing	2
R20123	Male Outlet End Journal Bearing	1
R20143	Outlet End Journal Bearing	1
G34004	Dowel Pin 5/16" Dia. x 5/8" LG	2
G34007	Dowel Pin 5/16" Dia. x ½" LG	2

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## Recommended Spares List for Howden Compressor

### MODELS Mk3/4-4B WRV(H) 204/110 & 165

#### REPLACEMENT SHAFT SEAL KIT – KS204-2/3/4

PART NUMBER	DESCRIPTION	QUANTITY
KS204-2/3/4	Input Shaft Seal c/w Cover O'Ring G44033	1

#### ANNUAL INSPECTION KIT – KW204-3-4B

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	6
G32010	Straight Tab Washer ¼"	6
G32014	Straight Tab Washer ½"	12
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal ¼" BSP	4
G44001	O'Ring (Piston Rod)	2
G44005	O'Ring (Actuator Spindle)	1
G44006	O'Ring (Cylinder / Cylinder End Cover)	2
G44007	O'Ring (Actuator Piston)	1
G44013	O'Ring (F/m Balance Piston Sleeve)	1
G44017	O'Ring (O.E. Journal Bearings – old brgs only)	2
G44021	O'Ring (Main / Inlet)	2
G44031	O'Ring (Guide Bracket)	1
G44033	O'Ring (Rotor Covers)	4
G44034	O'Ring (Injection Pipe)	1
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60006	Retaining Ring (I.E. Journal Bearings)	2
Q4522	Lockwasher 45mm (Coupling)	1
Q4683	Lockwasher 65mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Actuator Piston)	1
R20044	Joint for Superfeed	2
R20065	PTFE Piston Ring	1
R20085	Lockwasher 50mm	1
R20155	Adjusting Washer	8
R20204	PTFE Sleeve	1
R25145	PTFE Piston Rod Ring	2
R25205	PTFE Connecting Tube Ring	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

#### REPLACEMENT JOURNAL BEARING KIT – KWJ204-2/3/4

PART NUMBER	DESCRIPTION	QUANTITY
R20103	Inlet End Journal Bearing	2
R20123	Male Outlet End Journal Bearing	1
R20143	Outlet End Journal Bearing	1
G34004	Dowel Pin 5/16" Dia. x 5/8" LG	2
G34007	Dowel Pin 5/16" Dia. x ½" LG	2

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## Recommended Spares List for Howden Compressor

MODELS Mk5-5E WRV(H) 204/110, 145, 165 & 193

### REPLACEMENT SHAFT SEAL KIT – KS204-5

PART NUMBER	DESCRIPTION	QUANTITY
KS204-5	Input Shaft Seal c/w Cover O'Ring G44071	1

### ANNUAL INSPECTION KIT – KW204-5

PART NUMBER	DESCRIPTION	QUANTITY
R20224	Rotor Locking Plate	2
G26019	Tuflock Screw 1/4" UNC x 5/8" LG	6
G31015	Spring Washer M16	56
G33001	Bonded Seal 3/8" BSP	2
G33003	Bonded Seal 3/4" BSP	4
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal 1/4" BSP	4
G34060	Dowel Pin 6mm Dia. x 10mm LG	4
G39006	Locknut 45mm (Coupling)	1
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking wire – 1/32" Dia.	2 metres
Q4522	Lockwasher 45mm (Coupling)	1
Q5163	Lockwasher 40mm ( Actuator Piston)	1
R20313	Locknut (Slide Valve)	1
R20493	Superfeed Joint	1
R25055	Locknut 40mm (Actuator Piston)	1
R20065	PTFE Piston Ring	1
R25145	PTFE Piston Rod Ring	1
R20101 - OK	O' Ring Kit	1 Kit containing:
	G44001 - O'Ring (Piston Rod)	1
	G44005 - O'Ring (Actuator Spindle)	1
	G44007 - O'Ring (Actuator Piston)	1
	G44021 - O'Ring (Main / Inlet / Outlet)	2
	G44071 - O'Ring (Rotor Covers)	2
	G44072 - O'Ring (Cylinder Spigot)	1
	G44073 - O'Ring (Cylinder Dia.)	1
	G44074 - O'Ring (Cylinder Face)	2
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60178	Circlip (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ204-5/6

PART NUMBER	DESCRIPTION	QUANTITY
R20232	Inlet End Journal Bearing	2
R20242	Outlet End Journal Bearing	2
G34060	Dowel Pin 6mm	4

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## Recommended Spares List for Howden Compressor

MODEL Mk 5 WRV(H) 204 ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS204-5-V

PART NUMBER	DESCRIPTION	QUANTITY
KS204-5-V	Input Shaft Seal c/w Cover O'Ring M6213453	1

### ANNUAL INSPECTION KIT – KW204-5-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G31015	Spring Washer M16	56
G33001	Bonded Seal 3/8" BSP	2
G33003	Bonded Seal ¾" BSP	4
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal ¼" BSP	4
G34060	Dowel Pin 6mm Dia. x 10mm LG	4
G39006	Locknut 45mm (Actuator Piston)	1
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60178	Circlip (Journal Bearings)	4
G72002	Locking wire – 1/32" Dia.	2 metres
Q4522	Lockwasher 45mm (Coupling)	1
Q5163	Lockwasher 40mm ( Actuator Piston)	1
R20065	PTFE Piston Ring	1
R20102 - OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston rod)	1
	M6200428 - O'Ring (Actuator Piston)	1
	M6203885 - O'Ring (Main/Inlet/Outlet)	2
	M6212453 - O'Ring (Cylinder / Main)	1
	M6213453 - O'Ring (Rotor Covers)	2
	M6216453 - O'Ring (Cylinder Spigot)	1
	M6218453 - O'Ring (Cylinder)	2
R20224	Rotor Locking Plate	2
R20313	Locknut (Slide Valve)	1
R20493	Superfeed Joint	1
R25055	Piston Locknut 40mm	1
R25145	PTFE Piston Rod Ring	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ204-5/6

PART NUMBER	DESCRIPTION	QUANTITY
R20232	Inlet End Journal Bearing	2
R20242	Outlet End Journal Bearing	2
G34060	Dowel Pin 6mm	4



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## Recommended Spares List for Howden Compressor

**MODELS Mk6 & 6A WRV(H) 204/110, 145, 165 & 193**

### REPLACEMENT SHAFT SEAL KIT – KS204

PART NUMBER	DESCRIPTION	QUANTITY
KS204	Input Shaft Seal c/w Cover O'Ring G44071	1

### ANNUAL INSPECTION KIT – KW204-6

PART NUMBER	DESCRIPTION	QUANTITY
R20224	Rotor Locking Plate	2
G26019	Tuflock Screw 1/4" UNC x 5/8" LG	6
G31015	Spring Washer M16	56
G33001	Bonded Seal 3/8" BSP	2
G33003	Bonded Seal 3/4" BSP	4
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal 1/4" BSP	4
G34060	Dowel Pin 6mm Dia. x 10mm LG	4
G51001	Ball Bearing (Actuator Spindle)	1
G72002	Locking wire – 1/32" Dia.	2 metres
Q5163	Lockwasher 40mm ( Actuator Piston)	1
R20313	Locknut (Slide Valve)	1
R20493	Superfeed Joint	1
R25055	Piston Locknut 40mm	1
R20065	PTFE Piston Ring	1
R25145	PTFE Piston Rod Ring	1
R20101 - OK	O' Ring Kit	1 Kit containing:
	G44001 - O'Ring (Piston Rod)	1
	G44005 - O'Ring (Actuator Spindle)	1
	G44007 - O'Ring (Actuator Piston)	1
	G44021 - O'Ring (Main / Inlet / Outlet)	2
	G44071 - O'Ring (Rotor Covers)	2
	G44072 - O'Ring (Cylinder Spigot)	1
	G44073 - O'Ring (Cylinder Dia.)	1
	G44074 - O'Ring (Cylinder Face)	2
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60178	Circlip (Journal Bearings)	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ204-5/6

PART NUMBER	DESCRIPTION	QUANTITY
R20232	Inlet End Journal Bearing	2
R20242	Outlet End Journal Bearing	2
G34060	Dowel Pin 6mm	4

## Recommended Spares List for Howden Compressor

MODEL MK 6 WRV(H) 204, ALL L/D'S **FITTED WITH FLOUROSILICONE O'RINGS**

### REPLACEMENT SHAFT SEAL KIT – KS204-F

PART NUMBER	DESCRIPTION	QUANTITY
KS204-F	Input Shaft Seal c/w Cover O'Ring M6313453	1

### ANNUAL INSPECTION KIT – KW204-6-F (FLOUROSILICONE)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G31015	Spring Washer M16	56
G33001	Bonded Seal 3/8" BSP	2
G33003	Bonded Seal ¾" BSP	4
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal ¼" BSP	4
G34060	Dowel Pin 6mm Dia. x 10mm LG	4
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60178	Circlip (Journal Bearings)	4
G72002	Locking wire – 1/32" Dia.	2 metres
Q5163	Lockwasher 40mm ( Actuator Piston)	1
R20065	PTFE Piston Ring	1
R20103 – OK	O' Ring Kit	1 Kit containing:
	M6300112 - O'Ring (Actuator spindle)	1
	M6300226 - O'Ring (Piston rod)	1
	M6300428 - O'Ring (Actuator Piston)	1
	M6303885 - O'Ring (Main/Inlet/Outlet)	2
	M6312453 - O'Ring (Cylinder / Main)	1
	M6313453 - O'Ring (Rotor Covers)	2
	M6316453 - O'Ring (Cylinder Spigot)	1
	M6318453 - O'Ring (Cylinder)	2
R20224	Rotor Locking Plate	2
R20313	Locknut (Slide Valve)	1
R20493	Superfeed Joint	1
R25055	Piston Locknut 40mm	1
R25145	PTFE Piston Rod Ring	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ204-5/6

PART NUMBER	DESCRIPTION	QUANTITY
R20232	Inlet End Journal Bearing	2
R20242	Outlet End Journal Bearing	2
G34060	Dowel Pin 6mm	4

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## Recommended Spares List for Howden Compressor

MODEL MK 6 WRV(H) 204, ALL L/D'S [FITTED WITH VITON O'RINGS](#)

### REPLACEMENT SHAFT SEAL KIT – KS204-V

PART NUMBER	DESCRIPTION	QUANTITY
KS204-V	Input Shaft Seal c/w Cover O'Ring M6213453	1

### ANNUAL INSPECTION KIT – KW204-6-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G31015	Spring Washer M16	56
G33001	Bonded Seal 3/8" BSP	2
G33003	Bonded Seal ¾" BSP	4
G33004	Bonded Seal 1" BSP	3
G33008	Bonded Seal ¼" BSP	4
G34060	Dowel Pin 6mm Dia. x 10mm LG	4
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60178	Circlip (Journal Bearings)	4
G72002	Locking wire – 1/32" Dia.	2 metres
Q5163	Lockwasher 40mm ( Actuator Piston)	1
R20065	PTFE Piston Ring	1
R20102 - OK	O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston rod)	1
	M6200428 - O'Ring (Actuator Piston)	1
	M6203885 - O'Ring (Main/Inlet/Outlet)	2
	M6212453 - O'Ring (Cylinder / Main)	1
	M6213453 - O'Ring (Rotor Covers)	2
	M6216453 - O'Ring (Cylinder Spigot)	1
	M6218453 - O'Ring (Cylinder)	2
R20224	Rotor Locking Plate	2
R20313	Locknut (Slide Valve)	1
R20493	Superfeed Joint	1
R25055	Piston Locknut 40mm	1
R25145	PTFE Piston Rod Ring	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT204

PART NUMBER	DESCRIPTION	QUANTITY
G51034	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ204-5/6

PART NUMBER	DESCRIPTION	QUANTITY
R20232	Inlet End Journal Bearing	2
R20242	Outlet End Journal Bearing	2
G34060	Dowel Pin 6mm	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk1-4F WRV(H) 255/110, 130, 145, 165, 193 & 220

### REPLACEMENT SHAFT SEAL KIT – KS255-4

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4	Input Shaft Seal c/w Cover O'Ring G44070 (was G44013)	1

### ANNUAL INSPECTION KIT – KW255-1-4F

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32010	Straight Tab Washer 1/4"	6
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer 1/2"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal 1/4" BSP	4
G44003	O'Ring (Pre Mk4 models – Injection tube)	2
G44022	O'Ring (Pre Mk4 models – Balance Pistons)	2
G44027	O'Ring (Early and pre Mk4 models – Journal Bearings) not required when new bearings are fitted.	2
G51001	Ball Bearing (Actuator Spindle) (Actuator Spindle)	1
G72002	Locking Wire – 1/32" Dia.	2 metres
Q4274	Lockwasher 60mm (Coupling)	1
Q4506	Lockwasher 85mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve- where fitted)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25154	Superfeed Joint (Pipe style)	2
R25205	PTFE Ring (Injection Tube – Pre Mk4)	2
R20204	PTFE Sleeve (Injection Tube - Mk4)	1
R25125	PTFE Ring (Actuator Piston)	1
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25101 - OK	O' Ring Kit	1 Kit containing:
	G44001 – O'Ring (Piston Rod)	2
	G44002 – O'Ring (Actuator Piston)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44008 – O'Ring (Main / Inlet / Outlet)	2
	G44070 – O'Ring (Rotor covers - Was G44013)	4
	G44020 – O'Ring (Piston Rod Guide Bracket)	1
	G44034 – O'Ring (Injection Tube)	1
	G44075 – O'Ring (Cylinder – Was G44004)	2
G55012	Superfeed Joint (Cast style)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

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## Recommended Spares List for Howden Compressor

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL MK1-4F WRV(H) 255, ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS255-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4-V	Input Shaft Seal c/w Cover O'Ring M6200258	1

### ANNUAL INSPECTION KIT – KW255-1-4F-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32010	Straight Tab Washer 1/4"	6
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer 1/2"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3
G72002	Locking Wire	2
Q4274	Lockwasher 60mm (Coupling)	1
Q4506	Lockwasher 85mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25102 - OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston Rod)	2
	M6200227 - O'Ring (Injection Tube)	1
	M6200258 - O'Ring (Seal Housing / Rotor Covers)	4
	M6200266 - O'Ring (Actuator Cylinder)	2
	M6203925 - O'Ring (Main – Inlet- Outlet Casings)	2
	M6204375 - O'Ring (Cylinder Spigot)	1
	M6204385 - O'Ring (Actuator Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25154	Superfeed Joint	2
R25205	Connecting Tube Ring (PTFE)	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

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## Recommended Spares List for Howden Compressor

### REPLACEMENT THRUST BEARING KIT – KWT255

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

**MODEL Mk4G WRV(H) 255/110, 130, 145, 165, 193 & 220**

### REPLACEMENT SHAFT SEAL KIT – KS255-4

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4	Input Shaft Seal c/w Cover O'Ring G44070 (was G44013)	1

### ANNUAL INSPECTION KIT – KW255-4G

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer 1/2"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
Q4274	Lockwasher 60mm (Coupling)	1
Q4506	Lockwasher 85mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25125	PTFE Ring (Actuator Piston)	1
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25101 - OK	O' Ring Kit	1 Kit containing:
	G44001 – O'Ring (piston Rod)	2
	G44002 – O'Ring (Actuator Piston)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44008 – O'Ring (Main / Inlet / Outlet)	2
	G44070 – O'Ring (Rotor covers - Was G44013)	4
	G44020 – O'Ring (Piston Rod Guide Bracket)	1
	G44034 – O'Ring (Injection Tube)	1
	G44075 – O'Ring (Cylinder – Was G44004)	2
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4



# Howden Compressors

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## Recommended Spares List for Howden Compressor

WRV(H) 255, MK4G MODEL, ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS255-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4-V	Input Shaft Seal c/w Cover O'Ring M6200258	1

### ANNUAL INSPECTION KIT – KW255-4G-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer 1/2"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3
Q4274	Lockwasher 60mm (Coupling)	1
Q4506	Lockwasher 85mm (Thrust Bearings)	2
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25102 - OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston Rod)	2
	M6200227 – O'Ring (Injection Tube)	1
	M6200258 – O'Ring (Seal Housing / Rotor Covers)	4
	M6200266 – O'Ring (Actuator Cylinder)	2
	M6203925 – O'Ring (Main – Inlet- Outlet Casings)	2
	M6204375 – O'Ring (Cylinder Spigot)	1
	M6204385 – O'Ring (Actuator Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk5 WRV(H) 255/110, 130, 145, 165, 193 & 220

### REPLACEMENT SHAFT SEAL KIT – KS255-4

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4	Input Shaft Seal c/w Cover O'Ring G44070 (was G44013)	1

### ANNUAL INSPECTION KIT – KW255-5

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer ½"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
Q5163	Lockwasher 40mm	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25883	Rotor Locking Plate	2
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25125	PTFE Ring (Actuator Piston)	1
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25101 - OK	O' Ring Kit	1 Kit containing:
	G44001 – O'Ring (piston Rod)	2
	G44002 – O'Ring (Actuator Piston)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44008 – O'Ring (Main / Inlet / Outlet)	2
	G44070 – O'Ring (Rotor covers - Was G44013)	4
	G44020 – O'Ring (Piston Rod Guide Bracket)	1
	G44034 – O'Ring (Injection Tube)	1
	G44075 – O'Ring (Cylinder – Was G44004)	2
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODEL Mk5 WRV(H) 255 ALL L/D'S Fitted with Viton O'rings

#### REPLACEMENT SHAFT SEAL KIT – KS255-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS255-4-V	Input Shaft Seal c/w Cover O'Ring M6200258	1

#### ANNUAL INSPECTION KIT – KW255-5-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G31003	Spring Washer – 5/8"	48
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G32014	Straight Tab Washer ½"	4
G33001	Bonded Seal 3/8" BSP	4
G33003	Bonded Seal ¾" BSP	2
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	3
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25102 - OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston Rod)	2
	M6200227 – O'Ring (Injection Tube)	1
	M6200258 – O'Ring (Seal Housing / Rotor Covers)	4
	M6200266 – O'Ring (Actuator Cylinder)	2
	M6203925 – O'Ring (Main – Inlet- Outlet Casings)	2
	M6204375 – O'Ring (Cylinder Spigot)	1
	M6204385 – O'Ring (Actuator Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25883	Rotor Locking Plate	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

#### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

## Recommended Spares List for Howden Compressor

### MODELS Mk4-4E – 5 WRVT 255/110, 130, 145, 165, 193 & 220

#### REPLACEMENT SHAFT SEAL KIT – KST255

PART NUMBER	DESCRIPTION	QUANTITY
KST255	Shaft Seal c/w Cover O'ring G44070 (was G44013)	1

#### ANNUAL INSPECTION KIT – KWT255-4-5

PART NUMBER	DESCRIPTION	QUANTITY
R20224	Rotor Locking Plate	2
G31003	Spring Washer – 5/8"	48
G32010	Straight Tab Washer ¼"	6
G32014	Straight Tab Washer ½"	4
G33001	Bonded Seal 3/8" BSP	1
G33003	Bonded Seal ¼" BSP	4
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal ¼" BSP	4
G44027	O'Ring (Early Mk4 models – Journal Bearings) not required when new bearings are fitted.	2
R25101 - OK	O' Ring Kit	1 Kit containing:
	G44001 – O'Ring (piston Rod)	2
	G44002 – O'Ring (Actuator Piston)	1
	G44005 – O'Ring (Actuator Spindle)	1
	G44008 – O'Ring (Main / Inlet / Outlet)	2
	G44070 – O'Ring (Rotor covers - Was G44013)	4
	G44020 – O'Ring (Piston Rod Guide Bracket)	1
	G44034 – O'Ring (Injection Tube)	1
	G44075 – O'Ring (Cylinder – Was G44004)	2
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	4
Q4274	Lockwasher 60mm (Coupling)	1
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R25125	PTFE Ring (Actuator Piston)	1
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25154	Superfeed Joint	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWTT255

PART NUMBER	DESCRIPTION	QUANTITY
G51114	Floating Seal	2
G51115	Tilting Pad	44

#### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk4 – 5 WRVT 255 ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KST255-V

PART NUMBER	DESCRIPTION	QUANTITY
KST255-V	Shaft Seal c/w cover O'ring M6200258	1

### ANNUAL INSPECTION KIT – KWT255-4-5-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	48
G32010	Straight Tab Washer 1/4"	6
G32014	Straight Tab Washer 1/2"	4
G33001	Bonded Seal 3/8" BSP	1
G33003	Bonded Seal 3/4" BSP	4
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	2
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	4
M6200252	O'Ring (Early Mk4 models – Journal Bearings) not required when new bearings are fitted.	2
Q4274	Lockwasher 60mm (Coupling)	1
Q5163	Lockwasher 40mm (Piston)	1
R20085	Lockwasher 50mm (Slide Valve / Piston Rod)	1
R20204	PTFE Sleeve (Piston Rod / Injection Tube)	1
R20224	Rotor Locking Plate	2
R25102 - OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston Rod)	2
	M6200227 – O'Ring (Injection Tube)	1
	M6200258 – O'Ring (Seal Housing / Rotor Covers)	4
	M6200266 – O'Ring (Actuator Cylinder)	2
	M6203925 – O'Ring (Main – Inlet- Outlet Casings)	2
	M6204375 – O'Ring (Cylinder Spigot)	1
	M6204385 – O'Ring (Actuator Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25145	PTFE Ring (Piston Rod / Guide Bracket)	2
R25154	Superfeed Joint	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWTT255

PART NUMBER	DESCRIPTION	QUANTITY
G51114	Floating Seal	2
G51115	Tilting Pad	44

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

**MODEL Mk6 WRVi 255/110, 130, 145, 165, 193**

### REPLACEMENT SHAFT SEAL KIT – KS255-6

PART NUMBER	DESCRIPTION	QUANTITY
KS255-6	Shaft Seal c/w Cover O'ring G44070	1

### ANNUAL INSPECTION KIT – KW255-6

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
VR25500-BK	Bonded Seal Kit	1 Kit containing:
	G33001 – Bonded Seal 3/8" BSP	6
	G33002 – Bonded Seal 1/2" BSP	2
	G33003 – Bonded Seal ¾" BSP	3
	G33004 – Bonded Seal 1" BSP	2
	G33005 – Bonded Seal 1-1/4" BSP	2
	G33008 – Bonded Seal ¼" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Gasket – S/Feed	1
Q5163	Lockwasher 40mm (Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25883	Rotor Locking Plate	2
G60009	Circlip (Journal Bearings)	4
G60086	Circlip (Vi Adjuster)	1
M0702016	Spring Washer – 16 Dia.	56
R25145	PTFE Ring (Piston Rod / Guide Bracket)	1
VR25101 - OK	O' Ring Kit	1 Kit containing:
	G44001 - O'Ring (Piston Rod)	1
	G44002 - O'Ring (Piston)	1
	G44005 – O'Ring (Ind. Spindle)	1
	G44008 – O'Ring (Casing)	2
	G44020 – O'Ring (Cylinder. Spigot)	1
	G44070 – O'Ring (Covers)	3
	G44075 – O'Ring (Act. Cylinder.)	2
	M6000269 - O'Ring (Cylinder. Flange.)	1
	M6002962 - O'Ring (Vi Spindle)	2
	M6009453 - O'Ring (Cover)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk6 WRVi 255 ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS255-6-V

PART NUMBER	DESCRIPTION	QUANTITY
KS255-6-V	Shaft Seal c/w Cover O'ring M6200258	1

### Annual Inspection Kit – KW255-6-V (Viton)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	4
G60086	Circlip (Vi Adjuster)	1
M0702016	Spring Washer – M16	56
Q5163	Lockwasher 40mm (Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25145	PTFE Ring (Piston Rod / Guide Bracket)	1
R25883	Rotor Locking Plate	2
VR25102 - OK	WRVi 255 Viton O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring (Actuator spindle)	1
	M6200226 - O'Ring (Piston Rod)	1
	M6200258 - O'Ring (Rotor covers)	3
	M6200266 - O'Ring (Actuator Cylinder)	2
	M6200269 - O'Ring (Cylinder flange / End cover)	1
	M6202962 - O'Ring (Stop cover / Adjusting Screw)	2
	M6203925 - O'Ring (Main Casing – End Covers)	2
	M6204375 - O'Ring (Cylinder Spigot)	1
	M6204385 - O'Ring (Actuator Piston)	1
	M6209453 - O'Ring (Slide Stop Cover)	1
VR25500-BK	WRVi255 Bonded Seal Kit	1
	G33001 - Bonded Seal 3/8" BSP	4
	G33002 - Bonded Seal ½" BSP	2
	G33003 - Bonded Seal ¾" BSP	3
	G33004 - Bonded Seal 1" BSP	2
	G33005 - Bonded Seal 1 ¼" BSP	2
	G33008 - Bonded Seal ¼" BSP	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk6 WRVi 255 ALL L/D'S **Fitted with Fluorisilicone O'rings**

### REPLACEMENT SHAFT SEAL KIT – KS255-6-F

PART NUMBER	DESCRIPTION	QUANTITY
KS255-6-F	Shaft Seal c/w Cover O'ring M6300258	1

### Annual Inspection Kit – KW255-6-F (Fluorosilicone)

PART NUMBER	DESCRIPTION	QUANTITY
G26019	Tuflock Screw ¼" UNC x 5/8" LG	6
G32009	Straight Tab Washer 3/8"	8
G32013	Straight Tab Washer 5/8"	6
G51001	Ball Bearing (Actuator Spindle)	1
G55012	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60009	Circlip (Journal Bearings)	4
G60086	Circlip (Vi Adjuster)	1
M0702016	Spring Washer – M16	56
Q5163	Lockwasher 40mm (Piston)	1
R25125	PTFE Ring (Actuator Piston)	1
R25135	Adjusting Washer (Thrust Bearings)	6
R25145	PTFE Ring (Piston Rod / Guide Bracket)	1
R25883	Rotor Locking Plate	2
VR25103 - OK	WRVi 255 Fluorosilicone O' Ring Kit	1 Kit containing:
	M6300112 - O'Ring (Actuator spindle)	1
	M6300226 - O'Ring (Piston Rod)	1
	M6300258 - O'Ring (Rotor covers)	3
	M6300266 - O'Ring (Actuator Cylinder)	2
	M6300269 - O'Ring (Cylinder flange / End cover)	1
	M6302962 - O'Ring (Stop cover / Adjusting Screw)	2
	M6303925 - O'Ring (Main Casing – End Covers)	2
	M6304375 - O'Ring (Cylinder Spigot)	1
	M6304385 - O'Ring (Actuator Piston)	1
	M6309453 - O'Ring (Slide Stop Cover)	1
VR25500-BK	WRVi255 Bonded Seal Kit	1
	G33001 - Bonded Seal 3/8" BSP	4
	G33002 - Bonded Seal ½" BSP	2
	G33003 - Bonded Seal ¾" BSP	3
	G33004 - Bonded Seal 1" BSP	2
	G33005 - Bonded Seal 1 ¼" BSP	2
	G33008 - Bonded Seal ¼" BSP	4

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT255

PART NUMBER	DESCRIPTION	QUANTITY
G51035	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ255

PART NUMBER	DESCRIPTION	QUANTITY
R25663	Inlet End Journal Bearing	2
R25643	Outlet End Journal Bearing	2
G36005	Dowel Pin	4



# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk4-4F WRV(H) 321/132, 165, 193 & 220

### REPLACEMENT SHAFT SEAL KIT – KS321-4

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4	Shaft Seal c/w cover o'ring G44046	1

### ANNUAL INSPECTION KIT – KW321-4

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32014	Straight Tab Washer 1/2"	8
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G33007	Bonded Seal 2" BSP	2
G40001	Lockwasher 100mm (Thrust Bearings)	2
G44006	O'Ring (Old Bearings, not required for new bearings)	2
G44047	O'Ring (Old Bearings, not required for new bearings)	2
G51001	Ball Bearing (Actuator Spindle)	1
Q4683	Lockwasher 65mm (Coupling)	1
R32035	PTFE Connecting Tube Ring (Early models)	2
R32134	Superfeed Joint (132/165)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R 32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32101-OK	O' Ring Kit	1 Kit containing:
	G44004 – O' Ring (I.E. Labyrinth Seal)	2
	G44005 – O' Ring (Ind. Spindle)	1
	G44030 – O' Ring (Piston Rod Guide Bracket)	1
	G44038 – O' Ring (Actuator Piston)	1
	G44041 – O' Ring (Injection Pipe)	1
	G44046 – O' Ring (Seal Housing / Rotor Cover)	4
	G44048 – O' Ring (Piston Rod / guide Bracket)	2
	G44049 – O' Ring (Actuator Cylinder / End cover)	2
	G44050 – O' Ring (Balance Piston sleeves)	2
	G44051 – O' Ring (Main / Inlet / Outlet Casings)	2
G55101	Superfeed Joint (193/220)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (I.E. Female Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2

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## Recommended Spares List for Howden Compressor

### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODEL Mk4 WRV(H) 321 ALL L/D'S Fitted with Viton O'rings

#### REPLACEMENT SHAFT SEAL KIT – KS321-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4-V	Shaft Seal c/w cover O'ring M6200267	1

#### ANNUAL INSPECTION KIT – KW321-4-V

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32014	Straight Tab Washer 1/2"	8
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G33007	Bonded Seal 2" BSP	2
G40001	Lockwasher 100mm	2
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Superfeed Joint (193/220)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2
Q4683	Lockwasher 65mm (Coupling)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32035	PTFE Connecting Tube Ring	2
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32102 - OK	O' Ring Kit	1 Kit containing:
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200229– O'Ring (Piston Rod)	2
	M6200235– O'Ring (Injection Tube)	1
	M6200265 – O'Ring (Labyrinth Seal)	2
	M6200267 – O'Ring (Seal Housing)	4
	M6200271 – O'Ring (Balance Piston Sleeves)	2
	M6200399 – O'Ring (Main / Inlet / Outlet Casings)	2
	M6200445– O'Ring (Piston Rod Guide)	1
	M6200446– O'Ring (Actuator Piston)	1
	M620452A – O'Ring (Actuator Cylinder)	2
R32134	Superfeed Joint (132/165)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk4-4E WRVT 321/132, 165, 193 & 220

### REPLACEMENT SHAFT SEAL KIT – KS321-4

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4	Shaft Seal c/w cover o'ring G44046	1

### ANNUAL INSPECTION KIT – KWT321-4

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
Q4683	Lockwasher 65mm (Coupling)	1
R32134	Superfeed Joint (132/165)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32434	Rotor Locking Plate	2
R32015	PTFE Piston Ring (Actuator Piston)	1
R32035	PTFE Connecting Tube Rings	2
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32101 - OK	O' Ring Kit	1 Kit containing:
	G44004 – O' Ring (I.E. Labyrinth Seal)	2
	G44005 – O' Ring (Ind. Spindle)	1
	G44030 – O' Ring (Piston Rod Guide Bracket)	1
	G44038 – O' Ring (Actuator Piston)	1
	G44041 – O' Ring (Injection Pipe)	1
	G44046 – O' Ring (Seal Housing / Rotor Cover)	4
	G44048 – O' Ring (Piston Rod / guide Bracket)	2
	G44049 – O' Ring (Actuator Cylinder / End cover)	2
	G44050 – O' Ring (Balance Piston sleeves)	2
	G44051 – O' Ring (Main / Inlet / Outlet Casings)	2
G55101	Superfeed Joint (193/220)	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWTT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51108	Floating Seal	2
G51109	Tilting Pad	44

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk4 WRVT 321, ALL L/D'S Fitted with Viton O'rings

### REPLACEMENT SHAFT SEAL KIT – KS321-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4-V	Input Shaft Seal c/w Cover O'ring M6200267	1

### ANNUAL INSPECTION KIT – KWT321-4-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2
Q4683	Lockwasher 65mm (Coupling)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32035	PTFE Connecting Tube Ring	2
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32102 – OK	WRV-321 Viton O' Ring Kit	1 Kit
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200229– O'Ring (Piston Rod)	2
	M6200235– O'Ring (Injection Tube)	1
	M6200265 – O'Ring (Labyrinth Seal)	2
	M6200267 – O'Ring (Seal Housing)	4
	M6200271 – O'Ring (Balance Piston Sleeves)	2
	M6200399 – O'Ring (Main / Inlet / Outlet Casings)	2
	M6200445– O'Ring (Piston Rod Guide)	1
	M6200446– O'Ring (Actuator Piston)	1
	M620452A – O'Ring (Actuator Cylinder)	2
R32134	Superfeed Joint (132/165)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32434	Rotor Locking Plate	2

Suction and Discharge joints are not part of Inspection Kit.  
These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWTT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51108	Floating Seal	2
G51109	Tilting Pad	44

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4



# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk5 WRV(H) 321/132, 165, 193 & 220

### REPLACEMENT SHAFT SEAL KIT – KS321-4

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4	Shaft Seal c/w Cover O'ring G44046	1

### ANNUAL INSPECTION KIT – KW321-5

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32014	Straight Tab Washer 1/2"	8
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G33007	Bonded Seal 2" BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32555	Rotor Locking Plate	2
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32101 – OK	O' Ring Kit	1 Kit containing:
	G44004 – O' Ring (I.E. Labyrinth Seal)	2
	G44005 – O'Ring (Ind. Spindle)	1
	G44030 – O' Ring (Piston Rod Guide Bracket)	1
	G44038 – O' Ring (Actuator Piston)	1
	G44041 – O' Ring (Injection Pipe)	1
	G44046 – O' Ring (Seal Housing / Rotor Cover)	4
	G44048 – O' Ring (Piston Rod / guide Bracket)	2
	G44049 – O' Ring (Actuator Cylinder / End cover)	2
	G44050 – O' Ring (Balance Piston sleeves)	2
	G44051 – O' Ring (Main / Inlet / Outlet Casings)	2
G55101	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk5 WRV(H) 321, ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS321-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4-V	Input Shaft Seal c/w Cover o'ring M6200267	1

### ANNUAL INSPECTION KIT – KW321-5-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32014	Straight Tab Washer 1/2"	8
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4" BSP	2
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G33007	Bonded Seal 2" BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Superfeed Joint	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32102 – OK	Viton O' Ring Kit	1 Kit containing:
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200229– O'Ring (Piston Rod)	2
	M6200235– O'Ring (Injection Tube)	1
	M6200265 – O'Ring (Labyrinth Seal)	2
	M6200267 – O'Ring (Seal Housing)	4
	M6200271 – O'Ring (Balance Piston Sleeves)	2
	M6200399 – O'Ring (Main / Inlet / Outlet Casings)	2
	M6200445– O'Ring (Piston Rod Guide)	1
	M6200446– O'Ring (Actuator Piston)	1
	M620452A – O'Ring (Actuator Cylinder)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32555	Rotor Locking Plate	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

Old Govan Road  
Renfrew PA4 8XJ



## Recommended Spares List for Howden Compressor

### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

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## Recommended Spares List for Howden Compressor

### MODEL Mk5 WRVT 321, ALL L/D'S

#### REPLACEMENT SHAFT SEAL KIT – KS321-4

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4	Shaft Seal c/w cover O'ring G44046	1

#### ANNUAL INSPECTION KIT – KWT321-5

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2
Q4683	Lockwasher 65mm (Coupling)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32101 - OK	WRV-321 Neoprene O' Ring Kit	1 Kit containing:
	G44004 – O' Ring (I.E. Labyrinth Seal)	2
	G44005 – O'Ring (Ind. Spindle)	1
	G44030 – O' Ring (Piston Rod Guide Bracket)	1
	G44038 – O' Ring (Actuator Piston)	1
	G44041 – O' Ring (Injection Pipe)	1
	G44046 – O' Ring (Seal Housing / Rotor Cover)	4
	G44048 – O' Ring (Piston Rod / guide Bracket)	2
	G44049 – O' Ring (Actuator Cylinder / End cover)	2
	G44050 – O' Ring (Balance Piston sleeves)	2
	G44051 – O' Ring (Main / Inlet / Outlet Casings)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32434	Rotor Locking Plate	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWTT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51108	Floating Seal	2
G51109	Tilting Pad	44

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk5 WRVT 321, ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – KS321-4-V

PART NUMBER	DESCRIPTION	QUANTITY
KS321-4-V	Input Shaft Seal c/w Cover O'ring M6200267	1

### ANNUAL INSPECTION KIT – KWT321-5-V (VITON)

PART NUMBER	DESCRIPTION	QUANTITY
G31003	Spring Washer – 5/8"	12
G31011	Spring Washer 7/8" Dia.	64
G32009	Straight Tab Washer 3/8"	6
G32013	Straight Tab Washer 5/8"	4
G32014	Straight Tab Washer 3/4"	8
G32020	Straight Tab Washer 3/4"	6
G33001	Bonded Seal 3/8" BSP	4
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4" BSP	6
G33004	Bonded Seal 1" BSP	2
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	1
G60071	Circlip (O.E. Journal Bearings)	2
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	2
R32102 – OK	WRV 321 Viton O' Ring Kit	1 Kit
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200229– O'Ring (Piston Rod)	2
	M6200235– O'Ring (Injection Tube)	1
	M6200265 – O'Ring (Labyrinth Seal)	2
	M6200267 – O'Ring (Seal Housing)	4
	M6200271 – O'Ring (Balance Piston Sleeves)	2
	M6200399 – O'Ring (Main / Inlet / Outlet Casings)	2
	M6200445– O'Ring (Piston Rod Guide)	1
	M6200446– O'Ring (Actuator Piston)	1
	M620452A – O'Ring (Actuator Cylinder)	2
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32255	Lockwasher 60mm (Piston Rod / Slide Valve)	1
R32274	PTFE Sleeve (Piston Rod / Injection Tube)	1
R32434	Rotor Locking Plate	2

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWTT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51108	Floating Seal	2
G51109	Tilting Pad	44

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4



# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODEL Mk6 WRVi 321, ALL L/D'S

#### REPLACEMENT SHAFT SEAL KIT – KS321-6

PART NUMBER	DESCRIPTION	QUANTITY
KS321-6	Input Shaft Seal c/w Cover O'ring G44046	1

#### ANNUAL INSPECTION KIT – KW321-6

PART NUMBER	DESCRIPTION	QUANTITY
G32009	Straight Tab Washer 3/8"	6
G32014	Straight Tab Washer 1/2"	8
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4"	4
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	2
G33007	Bonded Seal 2"	2
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	2
G60071	Circlip (O.E. Journal Bearings)	2
M0702024	Spring Washer – M24	64
M0704020	Straight Tab Washer – M20	6
M6602040	Circlip (Vi Adjuster)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	1
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32555	Rotor Locking Plate	2
VR32101 - OK	WRV 321 Neoprene O' Ring Kit	1 Kit containing:
	G44005 - O'Ring (Actuator Spindle)	1
	G44030 - O'Ring (Actuator Cylinder Spigot)	1
	G44038 - O'Ring (Actuator Piston)	1
	G44046 - O'Ring (Seal housing / Rotor Covers)	3
	G44048 - O'Ring (Piston Rod / Cylinder Bore)	1
	G44049 - O'Ring (Actuator Cylinder / End Cover)	2
	G44050 - O'Ring (Balance Piston Sleeves)	2
	G44051 - O'Ring (Main Casing / Inlet / Outlet)	2
	G44072 - O'Ring (Vi Adjuster Dia)	1
	M6003962 - O'Ring (Vi Adjuster Face)	2
	M6026935 - O'Ring (Actuator Cylinder Dia)	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk6 WRVi(H) 321, ALL L/D'S **Fitted with Fluorosilicone O'rings**

### REPLACEMENT SHAFT SEAL KIT – KS321-6-F

PART NUMBER	DESCRIPTION	QUANTITY
KS321-6-F	Input Shaft Seal c/w Cover O'ring M6200267	1

### ANNUAL INSPECTION KIT – KW321-6-F

PART NUMBER	DESCRIPTION	QUANTITY
G32009	Straight Tab Washer 3/8"	6
G32014	Straight Tab Washer 1/2"	8
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4"	4
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	2
G33007	Bonded Seal 2"	2
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	2
G60071	Circlip (O.E. Journal Bearings)	2
M0702024	Spring Washer – M24	64
M0704020	Straight Tab Washer – M20	6
M6602040	Circlip (Vi Adjuster)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	1
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32555	Rotor Locking Plate	2
VR32103 – OK	WRV 321 Fluorosilicone O' Ring Kit	1 Kit containing:
	M6300112 – O'Ring (Actuator Spindle)	1
	M6300229 – O'Ring (Piston Rod)	1
	M6300267 – O'Ring (Seal housing / Rotor Cover)	3
	M6300271 – O'Ring (Balance Piston Sleeves)	2
	M6300399 – O'Ring (Main Casings / Inlet / Outlet)	2
	M6300445 – O'Ring (Cylinder Spigot)	1
	M6300446 – O'Ring (Actuator Piston)	1
	M6303962 – O'Ring (Vi Adjusting Screw)	2
	M630452A – O'Ring (Actuator Cylinder)	2
	M6312453 – O'Ring (Slide Stop Cover)	1
	M6326935 – O'Ring (Cylinder Dia)	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODEL Mk6 WRViH) 321, ALL L/D'S [Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT (VITON) – KS321-6-V

PART NUMBER	DESCRIPTION	QUANTITY
KS321-6-V	Input Shaft Seal c/w Cover O'ring M6200267	1

### ANNUAL INSPECTION KIT (VITON) – KW321-6-V

PART NUMBER	DESCRIPTION	QUANTITY
G32009	Straight Tab Washer 3/8"	6
G32014	Straight Tab Washer 1/2"	8
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	4
G33003	Bonded Seal 3/4"	4
G33004	Bonded Seal 1" BSP	1
G33005	Bonded Seal 1-1/4" BSP	1
G33006	Bonded Seal 1-1/2" BSP	2
G33007	Bonded Seal 2"	2
G51001	Ball Bearing (Actuator Spindle)	1
G55101	Joint 3" NB	1
G60004	Retaining Ring (Actuator spindle – Outer)	1
G60005	Retaining Ring (Actuator spindle – Inner)	1
G60070	Circlip (Female I.E. Journal Bearing)	2
G60071	Circlip (O.E. Journal Bearings)	2
M0702024	Spring Washer – M24	64
M0704020	Straight Tab Washer – M20	6
M6602040	Circlip (Vi Adjuster)	1
R32015	PTFE Piston Ring (Actuator Piston)	1
R32055	PTFE Piston Rod Ring (Piston Rod / Guide Bracket)	1
R32135	Lockwasher 1-3/4" UNC (Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	6
R32555	Rotor Locking Plate	2
VR32102 - OK	WRV i321 Viton O' Ring Kit	1 Kit containing:
	M6200112 – O'Ring (Actuator Spindle)	1
	M6200229 – O'Ring (Piston Rod)	1
	M6200267 – O'Ring (Seal housing / Rotor Cover)	3
	M6200271 – O'Ring (Balance Piston Sleeves)	2
	M6200399 – O'Ring (Main Casings / Inlet / Outlet)	2
	M6200445 – O'Ring (Cylinder Spigot)	1
	M6200446 – O'Ring (Actuator Piston)	1
	M6203962 – O'Ring (Vi Adjusting Screw)	2
	M620452A – O'Ring (Actuator Cylinder)	2
	M6212453 – O'Ring (Slide Stop Cover)	1
	M6226935 – O'Ring (Cylinder Dia)	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### REPLACEMENT THRUST BEARING KIT – KWT321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
G51063	Angular Contact Bearing	4

### REPLACEMENT JOURNAL BEARING KIT – KWJ321

<i>PART NUMBER</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>
R32063	Inlet End Journal Bearing	2
R32083	Outlet End Journal Bearing	2
G36013	Dowel Pin	4

# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODELS Mk1A-B WRVi 365, ALL L/D'S

#### REPLACEMENT SHAFT SEAL KIT – KS365

PART NUMBER	DESCRIPTION	QUANTITY
KS365	Input Shaft Seal c/w Cover O'ring XR12112-3	1

#### ANNUAL INSPECTION KIT – KW365

PART NUMBER	DESCRIPTION	QUANTITY
G32020	Tab Washer ¾"	8
G32021	Tab Washer 7/16"	12
G55074	Joint 4" NB (Superfeed Port)	1
M0701024	Plain Washer 24mm	72
M6601240	Circlip – Internal (Journal Bearings)	4
M6602060	Circlip – External (Vi Adjuster)	1
Q4521	Lockwasher 50mm (Piston Rod / Actuator Piston)	1
R32175	Adjusting Washer (Thrust Bearings)	8
R32555	Rotor Locking Plate	2
R36401-BK	Bonded Seal Kit	
	G33001 Bonded Seal 3/8" BSP	5
	G33002 Bonded Seal ½" BSP	3
	G33003 Bonded Seal ¾" BSP	4
	G33004 Bonded Seal 1" BSP	3
	G33006 Bonded Seal 1-1/2" BSP	2
	G33007 Bonded Seal 2" BSP	3
R36401-OK	O-Ring Kit (Neoprene)	
	G44005 – O'Ring – (Actuator Spindle)	1
	G44079 – O'Ring – (Core Hole Cover, bott)	1
	G44050 – O'Ring – (Female Rotor Cover)	2
	XR12112-3 – O'Ring - (Seal Housing)	4
	M6005953 – O'Ring – (Adjusting Screw)	2
	M6009453 – O'Ring – (Core Hole Cover, Side)	1
	M6011453 – O'Ring – (Vi Cover)	1
	M6021935 – O'Ring – (Cylinder Spigot)	1
	M6031935 – O'Ring – (Cylinder Spigot)	1
	M6035935 – O'Ring – (Actuator Cylinder)	2
	M6089168 – O'Ring – (Main Casing / Covers)	2
VR36134-3	Turcon Glyd Ring T40	1
VR36136-3	Wear Ring	1
VR36141-3	Turcon Glyd Ring T40	1
M6000230	O'Ring	1
M6000449	O'Ring	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

#### REPLACEMENT THRUST BEARING KIT – KWT365

PART NUMBER	DESCRIPTION	QUANTITY
G51063	Angular Contact Bearing	5

#### REPLACEMENT JOURNAL BEARING KIT – KWJ365

PART NUMBER	DESCRIPTION	QUANTITY
M6508014	Spring Pin	4
VR36086-2	Inlet End Journal Bearing	2
VR36088-2	Outlet End Journal Bearing	2

# Howden Compressors

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## Recommended Spares List for Howden Compressor

**MODELS Mk1A-B WRVi 365, ALL L/D'S (Viton) Fitted with Viton O'rings**  
**REPLACEMENT SHAFT SEAL KIT – KS365-V**

PART NUMBER	DESCRIPTION	QUANTITY
KS365-V	Input Shaft Seal c/w Cover O'ring M6223935	1

### ANNUAL INSPECTION KIT – KW365-V

PART NUMBER	DESCRIPTION	QUANTITY
G31004	Spring Washer 3/4"	8
M0702013	Spring Washer M16	20
G32021	Tab Washer 7/16"	12
M0704020	Straight Tab Washer M20	8
G55074	Joint 4" NB	1
M0701024	Plain Washer 24mm	72
M0702024	Spring Washer M24	72
M6601240	Circlip – Internal (Journal Bearings)	4
M6602060	Circlip – External (Vi Adjuster)	1
Q4521	Lockwasher 50mm (Piston Rod / Actuator Piston)	1
R32175	Adjusting Washer	8
R32555	Rotor Locking Plate	2
R36401-BK	Bonded Seal Kit	
	G33001 Bonded Seal 3/8" BSP	5
	G33002 Bonded Seal 1/2" BSP	3
	G33003 Bonded Seal 3/4" BSP	4
	G33004 Bonded Seal 1" BSP	3
	G33006 Bonded Seal 1-1/2" BSP	2
	G33007 Bonded Seal 2" BSP	3
VR36102-OK	O-Ring Kit (Viton)	
	M6200112 – O'Ring – (Actuator Spindle)	1
	M6200262 – O'Ring – (Core Hole Cover, bott)	1
	M6200271 – O'Ring – (Female Rotor Cover)	2
	M6205953 – O'Ring – (Adjusting Screw)	2
	M6209453 – O'Ring – (Core Hole Cover, Side)	1
	M6221935 – O'Ring – (Vi Cover)	1
	M6211453 – O'Ring	1
	M6223935 – O-Ring	1
	M6231935 – O'Ring – (Cylinder Spigot)	4
	M6235935 – O'Ring – (Actuator Cylinder)	2
	M6289168 – O'Ring – (Main Casing / Covers)	2
VR36136-3	Wear Ring	1
VR36134-3V	Turcon Glyd Ring T40	1
VR36141-3V	Turcon Glyd Ring T40	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

### REPLACEMENT THRUST BEARING KIT – KWT365

PART NUMBER	DESCRIPTION	QUANTITY
G51063	Angular Contact Bearing	5

### REPLACEMENT JOURNAL BEARING KIT – KWJ365

PART NUMBER	DESCRIPTION	QUANTITY
M6508014	Spring Pin	4
VR36086-2	Inlet End Journal Bearing	2
VR36088-2	Outlet End Journal Bearing	2



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## Recommended Spares List for Howden Compressor

### MODELS Mk2, 2A & 2B XRV 127/165 R1

#### REPLACEMENT SHAFT SEAL KIT – KXDS127

PART NUMBER	DESCRIPTION	QUANTITY
KXDS127	Input Shaft Seal c/w cover O'ring G44059	1

#### ANNUAL INSPECTION KIT – KX127-2

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring – Inlet Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring – Actuator Cyl. Cover	2
XR16102-3	O'Ring - Piston/Slide Valve	1
XR16515-3	Locknut M30 (S/Lock)	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

#### OVERHAUL KIT – KXD127-2

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
M1701008	Washer – 8mm Dia.	1
M1701010	Washer – 10mm Dia.	10
M1701012	Washer – 12mm Dia.	26
M1701020	Washer – 20mm Dia.	4
Q4273	Lockwasher S	1
Q5163	Lockwasher 40mm	2
XR12014-2	Labyrinth Insert	1
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	3
XR12097-3	Cylindrical Roller Bearing	1
XR12101-3	Angular Contact Bearing	4
XR16295-3	Potentiometer (1k OHM)	1
XR12101 - OK	O' Ring Kit	1 Kit containing:
	G44005 – O'Ring – Indicator Spindle	1
	G44059 - O'Ring – G' Box Cover	1
	G44076 - O'Ring – G' Box/Main	1
	XR12106-3 - O'Ring – Covers	6
	XR12107-3 - O'Ring – Gas Seal	2
	XR16102-3 – O'Ring – Piston/Slide Valve	1
	XR12109-3 - O'Ring – Man. Vi Spindle	2
	XR12112-3 - O'Ring - Main/Outlet	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk3 XRV 127/165 R1

### REPLACEMENT SHAFT SEAL KIT – KXDS127

PART NUMBER	DESCRIPTION	QUANTITY
KXDS127	Input Shaft Seal c/w cover O'ring G44059	1

### ANNUAL INSPECTION KIT – KX127-3

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring – Inlet Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring – Actuator Cyl. Cover	2
XR16102-3	O'Ring - Piston/Slide Valve	1
XR16527-2	Locknut M30	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KXD127-2

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
M1701008	Washer – 8mm Dia.	1
M1701010	Washer – 10mm Dia.	10
M1701012	Washer – 12mm Dia.	26
M1701020	Washer – 20mm Dia.	4
Q4273	Lockwasher S	1
Q5163	Lockwasher 40mm	2
XR12014-2	Labyrinth Insert	1
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	3
XR12097-3	Cylindrical Roller Bearing	1
XR12101-3	Angular Contact Bearing	4
XR16295-3	Potentiometer (1k OHM)	1
XR12101 - OK	O' Ring Kit	1 Kit containing:
	G44005 – O'Ring – Indicator Spindle	1
	G44059 - O'Ring – G' Box Cover	1
	G44076 - O'Ring – G' Box/Main	1
	XR12106-3 - O'Ring – Covers	6
	XR12107-3 - O'Ring – Gas Seal	2
	XR16102-3 – O'Ring – Piston/Slide Valve	1
	XR12109-3 - O'Ring – Man. Vi Spindle	2
	XR12112-3 - O'Ring - Main/Outlet	1

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# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk4 XRV 127/165 R1

### REPLACEMENT SHAFT SEAL KIT – KXDS127

PART NUMBER	DESCRIPTION	QUANTITY
XR12096-3	Input Shaft Seal c/w cover O'ring G44059	1

### ANNUAL INSPECTION KIT – KX127-3

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring - Inlet Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring - Actuator Cylinder Cover	2
XR16102-3	O'Ring - Piston/Slide Valve	1
XR16527-2	Locknut M30	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KXD127-4

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring (Actuator Spindle)	1
G60005	Retaining Ring (Actuator Spindle)	1
M1701005	Washer - 5mm Dia. (Vi Indicator Plate)	1
M1701012	Washer - 12mm Dia. (Main/Inlet/Discharge)	26
M1701020	Washer - 20mm Dia. (Suction Flange)	4
Q5163	Lockwasher 40mm (Thrust Bearings)	2
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	3
XR12097-3	Cylindrical Roller Bearing	1
XR12101-3	Angular Contact Bearing	6
XR16295-3	Potentiometer (1k OHM)	1
XR12101 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring - Indicator Spindle	1
	G44059 - O'Ring - G' Box Cover	1
	G44076 - O'Ring - G' Box/Main	1
	XR12106-3 - O'Ring - Covers	6
	XR12107-3 - O'Ring - Gas Seal	2
	XR16102-3 - O'Ring - Piston/Slide Valve	1
	XR12109-3 - O'Ring - Man. Vi Spindle	2
	XR12112-3 - O'Ring - Main/Outlet	1

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# Howden Compressors

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## Recommended Spares List for Howden Compressor

**MODELS Mk2, 2A & 2B XRV 127/165 R3-5**

### REPLACEMENT SHAFT SEAL KIT – KXGS127

PART NUMBER	DESCRIPTION	QUANTITY
XR12124-3	Input Shaft Seal (Short Seat) c/w O'rings XR12105-3 & XR12110-3	1

### ANNUAL INSPECTION KIT – KX127-2

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring – G'Box Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring – Act. Cyl Cover	2
XR16102-3	O'Ring – Piston/Slide Valve	1
XR16515-3	Locknut M30 (S/Lock) (up to Mk2)	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KXG127-2

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60156	Circlip	1
M1701010	Washer – 10mm Dia.	10
M1701012	Washer – 12mm Dia.	26
M1701020	Washer – 20mm Dia.	4
Q4273	Lockwasher	1
Q5163	Lockwasher 40mm	2
XR12014-2	Labyrinth Insert	1
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	4
XR12101-3	Angular Contact Bearing	4
XR12103-3	Cylindrical Roller Bearing	1
XR12116-3	Angular Contact Thrust Bearing	2
XR16295-3	Potentiometer (1k OHM)	1
XR12102 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring – Indicator Spindle	1
	G44059 - O'Ring – G'Box Cover	1
	G44076 - O'Ring – G'Box/Main	1
	XR12105-3 - O'Ring – Shaft Seal Hsg.	1
	XR12106-3 - O'Ring – Covers	6
	XR12107-3 - O'Ring – Gas Seal	2
	XR16102-3 - O'Ring – Piston/Slide Valve	1
	XR12109-3 - O'Ring – Man.Vi Spindle	2
	XR12110-3 - O'Ring – Shaft Seal Hsg.	1
	XR12112-3 - O'Ring – Main/Outlet	1

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## Recommended Spares List for Howden Compressor

### MODELS Mk3 XRV 127/165 R3-5

#### REPLACEMENT SHAFT SEAL KIT – KXGS127

PART NUMBER	DESCRIPTION	QUANTITY
XR12124-3	Input Shaft Seal (Short Seat) c/w O'rings XR12105-3 & XR12110-3	1

#### ANNUAL INSPECTION KIT – KX127-3

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring – G'Box Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring – Act. Cyl Cover	2
XR16102-3	O'Ring – Piston/Slide Valve	1
XR16527-2	Locknut M30	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

#### OVERHAUL KIT – KXG127-2

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60156	Circlip	1
M1701010	Washer – 10mm Dia.	10
M1701012	Washer – 12mm Dia.	26
M1701020	Washer – 20mm Dia.	4
Q4273	Lockwasher	1
Q5163	Lockwasher 40mm	2
XR12014-2	Labyrinth Insert	1
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	4
XR12101-3	Angular Contact Bearing	4
XR12103-3	Cylindrical Roller Bearing	1
XR12116-3	Angular Contact Thrust Bearing	2
XR16295-3	Potentiometer (1k OHM)	1
XR12102 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring – Indicator Spindle	1
	G44059 - O'Ring – G'Box Cover	1
	G44076 - O'Ring – G'Box/Main	1
	XR12105-3 - O'Ring – Shaft Seal Hsg.	1
	XR12106-3 - O'Ring – Covers	6
	XR12107-3 - O'Ring – Gas Seal	2
	XR16102-3 - O'Ring – Piston/Slide Valve	1
	XR12109-3 - O'Ring – Man.Vi Spindle	2
	XR12110-3 - O'Ring – Shaft Seal Hsg.	1
	XR12112-3 - O'Ring – Main/Outlet	1

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## Recommended Spares List for Howden Compressor

### MODELS Mk4 XRV 127/165 R3-5

#### REPLACEMENT SHAFT SEAL KIT – KXGS127

PART NUMBER	DESCRIPTION	QUANTITY
XR12124-3	Input Shaft Seal (Short Seat) c/w O'rings XR12105-3 & XR12110-3	1

#### ANNUAL INSPECTION KIT – KX127-3

PART NUMBER	DESCRIPTION	QUANTITY
G44059	O'Ring – Gearbox Cover	1
XR12059-3	Actuator Piston Seal	1
XR12106-3	O'Ring – Act. Cylinder Cover	2
XR16102-3	O'Ring – Piston/Slide Valve	1
XR16527-2	Locknut M30	1
XR16522-2	Indicator Pin	1
M0905010	Grub Screw	1

#### OVERHAUL KIT – KXG127-4

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	4
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring (Actuator Spindle)	1
G60005	Retaining Ring (Actuator Spindle)	1
M1701005	Washer - 5mm Dia. (Vi Indicator Plate)	2
M1701012	Washer - 12mm Dia. (Main/Inlet/Discharge)	26
M1701020	Washer - 20mm Dia. (Suction Flange)	4
Q5163	Lockwasher 40mm (Thrust Bearings)	2
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12457-3	Cylindrical Roller Bearing	4
XR12101-3	Angular Contact Bearing	6
XR12103-3	Cylindrical Roller Bearing	1
XR12116-3	Angular Contact Thrust Bearing	2
XR16295-3	Potentiometer (1k OHM)	1
XR12102 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring - Indicator Spindle	1
	G44059 - O'Ring - G' Box Cover	1
	G44076 - O'Ring - G' Box/Main	1
	XR12105-3 - O'Ring – Shaft Seal Hsg.	1
	XR12106-3 - O'Ring - Covers	6
	XR12107-3 - O'Ring - Gas Seal	2
	XR12109-3 - O'Ring – Man.Vi Spindle	2
	XR12110-3 - O'Ring – Shaft Seal Hsg.	1
	XR16102-3 - O'Ring - Piston/Slide Valve	1
	XR12112-3 - O'Ring - Main/Outlet	1

Suction and Discharge joints are not part of Inspection Kit. These are available at extra cost as required.

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## Recommended Spares List for Howden Compressor

MODEL XRV 127/R1 [Mk 1-2 Fitted with Viton O'rings](#)

### REPLACEMENT SHAFT SEAL KIT – VITON - KXDS127

PART NUMBER	DESCRIPTION	QUANTITY
KXDS127-V	Input Shaft Seal c/w Cover o'ring M6222953	1

### ANNUAL INSPECTION KIT – VITON - KX127-2-V - XRV127/R1-5 COMPRESSORS, MK2 MODEL

PART NUMBER	DESCRIPTION	QUANTITY
M0905010	Grub Screw	1
M6202962	O'Ring	1
M6208453	O'Ring	2
M6222953	O'Ring	1
XR12059-3	Actuator Piston Seal	1
XR16522-2	Indicator Pin – Solid (4.8)	1
XR16527-2	Lock Nut M30 (Extended)	1

### OVERHAUL KIT – VITON - KXD127-2-V - XRV127/R1 COMPRESSORS, MK 2 MODEL

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	2
G33002	Bonded Seal 1/2" BSP	1
G33003	Bonded Seal 3/4" BSP	1
G33008	Bonded Seal 1/4" BSP	3
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
M1701008	Washer – 8mm Dia.	1
M1701010	Washer – 10mm Dia.	10
M1701012	Washer – 12mm Dia.	26
M1701020	Washer – 20mm Dia.	4
Q4273	Lockwasher	1
Q5163	Lockwasher 40mm	2
XR12014-2	Labyrinth Insert	1
XR12032-2	Floating Bush	2
XR12033-2	Bearing Spacer	2
XR12060-3	Disc Spring	2
XR12097-3	Cylindrical Roller Bearing	1
XR12101-3	Angular Contact Bearing	4
XR12103 - OK	XRV (R1) Viton O' Ring Kit	1
XR12457-3	Cylindrical Roller Bearing	3
XR13295-3	Potentiometer (1K OHM)	1

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# Howden Compressors

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## Recommended Spares List for Howden Compressor

MODELS Mk2, 2A, 2B, 2C & 2D XRV 163/165 & 193

### REPLACEMENT SHAFT SEAL KIT – KS163

PART NUMBER	DESCRIPTION	QUANTITY
KS163	Input Shaft Seal c/w Cover O'ring XR16105-3	1

### ANNUAL INSPECTION KIT – KX163-2C

PART NUMBER	DESCRIPTION	QUANTITY
M0905010	Grub Screw	1
M1701010	Washer – 10mm Dia.	4
XR16079-3	Actuator Piston Seal	1
XR16102-3	O'Ring – Piston/Slide Valve	1
XR16105-3	O'Ring – Covers	3
XR16522-2	Indicator Pin	1
XR16515-3	Locknut M30 (S/Lock) (up to Mk2B)	1

### OVERHAUL KIT – KX163

PART NUMBER	DESCRIPTION	QUANTITY
G33002	Bonded Seal ½" BSP	3
G33003	Bonded Seal ¾" BSP	4
G33010	Bonded Seal 1/8"BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60175	Circlip	2
M1701010	Washer – 10mm Dia.	27
M1701016	Washer – 16mm Dia.	30
M1701020	Washer – 20mm Dia.	12
Q4521	Lockwasher 50mm	2
Q4792	Lockwasher 30mm	1
XR16029-2	Outlet End Floating Bush	2
XR16047-2	Labyrinth Insert	1
XR16049-4	Thrust Bearing Assembly	2
XR16072-3	Superfeed Joint	1
XR16080-2	Disc Spring	2
XR16531-3	Cylindrical Roller Bearing	4
XR16295-3	Potentiometer (1k OHM)	1
XR16101 - OK	O' Ring Kit	1 Kit containing:
	G44005 – O'Ring – Ind. Spindle	1
	G44065 – O'Ring – Main/Outlet	2
	XR16102-3 – O'Ring – Piston/Slide Valve	1
	XR16101-3 - O'Ring – Man. Vi Spindle	2
	XR16104-3 - O'Ring – Gas Seals	2
	XR16105-3 - O'Ring – Covers etc.	9
	XR16106-3 - O'Ring – Inlet Bearings	2
	XR16460-3 - O'Ring – Vi Cover	1

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# Howden Compressors

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## Recommended Spares List for Howden Compressor

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### Additional Parts: KX163 – AUTO Vi

PART NUMBER	DESCRIPTION	QUANTITY
M1701004	Washer – 4mm.	2
M1701005	Washer – 5mm.	3
G33010	Bonded Seal 1/8" BSP	2
XR20776-3	O'Ring	1
XR16280-3	Variseal 4mm.	1
XR16265-3	Glyd Ring	1
XR16266-3	Slyd Ring	1

# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODELS Mk4 XRV163/165 & 193

#### REPLACEMENT SHAFT SEAL KIT – KS163

PART NUMBER	DESCRIPTION	QUANTITY
KS163	Input Shaft Seal c/w Cover o'ring XR16105-3	1

#### ANNUAL INSPECTION KIT – KX163-4A

PART NUMBER	DESCRIPTION	QUANTITY
M0905010	Grub Screw	1
M1701010	Washer – 10mm Dia.	4
XR16079-3	Actuator Piston Seal	1
XR16102-3	O'Ring – Piston/Slide Valve	1
XR16105-3	O'Ring – Covers	3
XR16522-2	Indicator Pin	1
XR16527-2	Locknut M30	1

#### OVERHAUL KIT – KX163-4

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal 1/2" BSP	2
G33003	Bonded Seal 3/4" BSP	2
G33008	Bonded Seal 1/4" BSP	2
G33010	Bonded Seal 1/8" BSP	5
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60175	Circlip	2
M1701010	Washer - 10mm Dia.	29
M1701016	Washer - 16mm Dia.	4
Q4521	Lockwasher 50mm	2
XR16029-2	Outlet End Floating Bush	2
XR16049-4	Thrust Bearing Assembly (Female)	1
XR16580-4	Thrust Bearing Assy (Male)	1
XR16072-3	Superfeed Joint	1
XR16582-2	Disc Spring	2
XR16531-3	Cylindrical Roller Bearing	4
XR16295-3	Potentiometer (1k OHM)	1
XR16101 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring - Ind. Spindle	1
	G44065 - O'Ring - Main/Outlet	2
	XR16102-3 - O'Ring - Piston/Slide Valve	1
	XR16101-3 - O'Ring - Man. Vi Spindle	2
	XR16104-3 - O'Ring - Gas Seals	2
	XR16105-3 - O'Ring - Covers etc.	9
	XR16106-3 - O'Ring - Inlet Bearings	2
	XR16460-3 - O'Ring - Vi Cover	1

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# Howden Compressors

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## Recommended Spares List for Howden Compressor

### MODELS Mk4 XRV163/165 & 193 With Viton O'rings

#### REPLACEMENT SHAFT SEAL KIT – KS163-V

PART NUMBER	DESCRIPTION	QUANTITY
KS163-V	Input Shaft Seal c/w Cover o'ring M6211453	1

#### ANNUAL INSPECTION KIT – KX163-4A-V

PART NUMBER	DESCRIPTION	QUANTITY
M0905010	Grub Screw	1
M1701010	Washer – 10mm Dia.	4
XR16079-3	Actuator Piston Seal	1
M6202962	O'Ring – Piston/Slide Valve	1
M6211453	O'Ring – Covers	3
XR16522-2	Indicator Pin	1
XR16527-2	Locknut M30	1

#### OVERHAUL KIT – KX163-4-V

PART NUMBER	DESCRIPTION	QUANTITY
G33001	Bonded Seal 3/8" BSP	3
G33002	Bonded Seal 1/2" BSP	2
G33003	Bonded Seal 3/4" BSP	2
G33008	Bonded Seal 1/4" BSP	2
G33010	Bonded Seal 1/8" BSP	5
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60175	Circlip	2
M1701010	Washer - 10mm Dia.	29
M1701016	Washer - 16mm Dia.	4
Q4521	Lockwasher 50mm	2
XR16029-2	Outlet End Floating Bush	2
XR16049-4	Thrust Bearing Assembly (Female)	1
XR16580-4	Thrust Bearing Assy (Male)	1
XR16072-3	Superfeed Joint	1
XR16582-2	Disc Spring	2
XR16531-3	Cylindrical Roller Bearing	4
XR16295-3	Potentiometer (1k OHM)	1
XR16101 - OK	O' Ring Kit	1 Kit containing:
	M6200112 - O'Ring - Ind. Spindle	1
	M6200455 - O'Ring - Main/Outlet	2
	M6202962 - O'Ring - Piston/Slide Valve	1
	M6201562 - O'Ring - Man. Vi Spindle	2
	M6208953 - O'Ring - Gas Seals	2
	M6211453 - O'Ring - Covers etc.	9
	M6211953 - O'Ring - Inlet Bearings	2
	M6209453 - O'Ring - Vi Cover	1

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# Howden Compressors

Old Govan Road  
Renfrew PA4 8XJ



## Recommended Spares List for Howden Compressor

MODELS Mk3, 3A, 3B, 3C, 3D & 3E XRV 204/110, 145, 165 & 193

### REPLACEMENT SHAFT SEAL KIT – KS204

PART NUMBER	DESCRIPTION	QUANTITY
KS204	Input Shaft Seal c/w Cover o'ring XR20104-3	1

### ANNUAL INSPECTION KIT – KX204-3D

PART NUMBER	DESCRIPTION	QUANTITY
M1701012	Washer – 12mm Dia.	4
R25065	Indicator Pin	1
XR20100-3	O'Ring – Slide Valve/Piston	1
XR20104-3	O'Ring – Act. Cylinder Cover	4
XR20875-3	Actuator Piston Seal	1
XR20782-3	Locknut M35 (S/Lock) (up to Mk 3C)	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KX204

PART NUMBER	DESCRIPTION	QUANTITY
G33002	Bonded Seal ½" BSP	3
G33003	Bonded Seal ¾" BSP	4
G33008	Bonded Seal ¼" BSP	1
G33010	Bonded Seal 1/8" BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60017	Circlip	2
M1701012	Washer – 12mm Dia.	12
M1701016	Washer – 16mm Dia.	34
M1701020	Washer – 20mm Dia.	12
Q4683	Lockwasher 65mm	2
Q5163	Lockwasher 40mm	1
XR16295-3	Potentiometer (1k OHM)	1
XR20042-2	Outlet End Floating Bush	2
XR20053-2	Labyrinth Insert	1
XR20237-3	O'Ring – Man. Vi Adjustment	2
XR20060-2	Disc Spring	2
XR20910-3	Cylindrical Roller Bearing	2
XR20101 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring – Indicator Spindle	1
	G44066 - O'Ring – Inlet/Main/Outlet	2
	XR16105-3 - O'Ring – Vi Adj. Cover	1
	XR20100-3 – O'Ring – Slide Valve/Piston	1
	XR20102-3 - O'Ring – Gas Seal	2
	XR20104-3 - O'Ring – Covers etc.	8
	XR20105-3 - O'Ring – Inlet Bearing	2
XR20520-4	Thrust Bearing Assembly	2
XR20823-3	Cylindrical Roller Bearing	2

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## Recommended Spares List for Howden Compressor

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Additional Parts: KX204 – AUTO Vi

PART NUMBER	DESCRIPTION	QUANTITY
M1701004	Washer – 4mm Dia.	2
M1701005	Washer – 5mm Dia.	6
G33010	Bonded Seal 1/8" BSP	2
XR20776-3	O'Ring	1
XR16280-3	Variseal 4mm	1
XR20730-3	Glyd Ring	1

# Howden Compressors

Old Govan Road  
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## Recommended Spares List for Howden Compressor

MODELS Mk4 XRV 204/110, 145, 165 & 193

### REPLACEMENT SHAFT SEAL KIT – KS204

PART NUMBER	DESCRIPTION	QUANTITY
KS204	Input Shaft Seal c/w Cover o'ring XR20104-3	1

### ANNUAL INSPECTION KIT – KX204-5A

PART NUMBER	DESCRIPTION	QUANTITY
M1701012	Washer – 12mm Dia.	4
R25065	Indicator Pin	1
XR20100-3	O'Ring – Slide Valve/Piston	1
XR20104-3	O'Ring – Act. Cylinder Cover	4
XR20875-3	Actuator Piston Seal	1
XR20871-2	Locknut M35	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KX204

PART NUMBER	DESCRIPTION	QUANTITY
G33002	Bonded Seal ½" BSP	3
G33003	Bonded Seal ¾" BSP	4
G33008	Bonded Seal ¼" BSP	1
G33010	Bonded Seal 1/8" BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring	1
G60005	Retaining Ring	1
G60017	Circlip	2
M1701012	Washer – 12mm Dia.	12
M1701016	Washer – 16mm Dia.	34
M1701020	Washer – 20mm Dia.	12
Q4683	Lockwasher 65mm	2
Q5163	Lockwasher 40mm	1
XR16295-3	Potentiometer (1k OHM)	1
XR20042-2	Outlet End Floating Bush	2
XR20053-2	Labyrinth Insert	1
XR20237-3	O'Ring – Man. Vi Adjustment	2
XR20060-2	Disc Spring	2
XR20910-3	Cylindrical Roller Bearing	2
XR20101 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring – Indicator Spindle	1
	G44066 - O'Ring – Inlet/Main/Outlet	2
	XR16105-3 - O'Ring – Vi Adj. Cover	1
	XR20100-3 – O'Ring – Slide Valve/Piston	1
	XR20102-3 - O'Ring – Gas Seal	2
	XR20104-3 - O'Ring – Covers etc.	8
	XR20105-3 - O'Ring – Inlet Bearing	2
XR20520-4	Thrust Bearing Assembly	2
XR20823-3	Cylindrical Roller Bearing	2

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# Howden Compressors

Old Govan Road  
Renfrew PA4 8XJ



## Recommended Spares List for Howden Compressor

MODELS Mk5 XRV 204/110, 145, 165 & 193

### REPLACEMENT SHAFT SEAL KIT – KS204

PART NUMBER	DESCRIPTION	QUANTITY
KS204	Input Shaft Seal c/w Cover o'ring XR20104-3	1

### ANNUAL INSPECTION KIT – KX204-5A

PART NUMBER	DESCRIPTION	QUANTITY
M1701012	Washer – 12mm Dia.	4
R25065	Indicator Pin	1
XR20100-3	O'Ring – Slide Valve/Piston	1
XR20104-3	O'Ring – Act. Cylinder Cover	4
XR20875-3	Actuator Piston Seal	1
XR20871-2	Locknut M35	1
M0905010	Grub Screw	1

### OVERHAUL KIT – KX204-5

PART NUMBER	DESCRIPTION	QUANTITY
G33002	Bonded Seal ½" BSP	3
G33003	Bonded Seal ¾" BSP	4
G33004	Bonded Seal 1" BSP	1
G33008	Bonded Seal ¼" BSP	2
G33010	Bonded Seal 1/8" BSP	2
G51001	Ball Bearing (Actuator Spindle)	1
G57057	Microswitch	2
G60004	Retaining Ring (Act Spindle – outer)	1
G60005	Retaining Ring (Act Spindle – inner)	1
G60017	Circlip (Inlet End Roller Bearings)	2
M1701012	Washer – 12mm Dia.	27
M1701020	Washer – 20mm Dia. (Suction/Discharge Flanges)	12
R20224	Rotor Locking Plate (Thrust Bearings)	2
XR16295-3	Potentiometer (1k OHM)	1
XR20042-2	Outlet End Floating Bush	2
XR20970-2	Disc Spring	2
XR20910-3	Cylindrical Roller Bearing (Inlet End)	2
XR20101 - OK	O' Ring Kit	1 Kit containing:
	G44005 - O'Ring – Indicator Spindle	1
	G44066 - O'Ring – Inlet/Main/Outlet	2
	XR16105-3 - O'Ring – Vi Adj. Cover	1
	XR20100-3 – O'Ring – Slide Valve/Piston	1
	XR20102-3 - O'Ring – Gas Seal	2
	XR20104-3 - O'Ring – Covers etc.	6
	XR20105-3 - O'Ring – Inlet Bearing	2
	XR20237-3 – O'Ring – Vi Adj. Spindle	2
XR20520-4	Thrust Bearing Assembly (Female Side)	1
XR20971-4	Thrust Bearing Assembly (Male Side)	1
XR20976-3	Cylindrical Roller Bearing (Discharge End)	2

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