

an EnPro Industries company

QRNG[®] Series Model QRNG 370

Parts Manual

Record of Change 104

This manual contains important safety information and must be made available to all personnel who operate and/or maintain this product. Carefully read this manual before attempting to operate or perform maintenance on this compressor.

Fill Out & Return Warranty Registration Card Located Inside

Manual No. 50164-104

February 2008 Edition

INTRODUCTION

This manual provides information for the QRNG Series, Model QRNG 370 natural gas compressor per Record of Change 104.

The Model QRNG 370 natural gas compressor is an aircooled, two stage, two cylinder, pressure lubricated compressor capable of handling inlet pressures of -7.5 PSIG (15 in. mercury) up to 30 PSIG. A maximum of 400 PSIG discharge pressure can be produced (with proper controls and modifications). It has a 6" low pressure bore, a 3.25" high pressure bore x 4" stroke and can be run at 400-900 RPM.

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ORDERING REPLACEMENT PARTS

All replacement parts are to be ordered through an authorized Quincy gas application distributor. **Insist on genuine Quincy parts only! Failure to do so may void warranty.**

Prompt service can be rendered on repair parts orders if the following information is given:

- **Item 1**) the model number, record of change number, & serial number.
- **Item 2**) the exact part number needed. (Do not order by item numbers.)
- **Item 3**) the exact quantity needed.
- **Item 4**) the preferred type of transportation.

MODEL & SERIAL NUMBER Of Change No. MODEL SERIAL NO.

Model & Serial Number Identification Tag

The serial number identification tag is located on the handhole plate side of the crankcase. Fill in the numbers from your compressor in the corresponding spaces provided here, and reference this page when ordering replacement parts.

CHANGES

since previous printing dated December, 2007:

Head unloader piping was modified.

CAUTION!

Follow all safety precautions outlined in the QRNG Series instruction manual.

WARNING!

Do not operate this compressor without a totally enclosed belt guard or any other required safety equipment.

DANGER!

Air used for breathing or food processing must meet OSHA 1910.134 or FDA 21 CFR 178.3570 regulations. Failure to do so may cause severe injury or death.

QRNG 370 Quincy Compressor

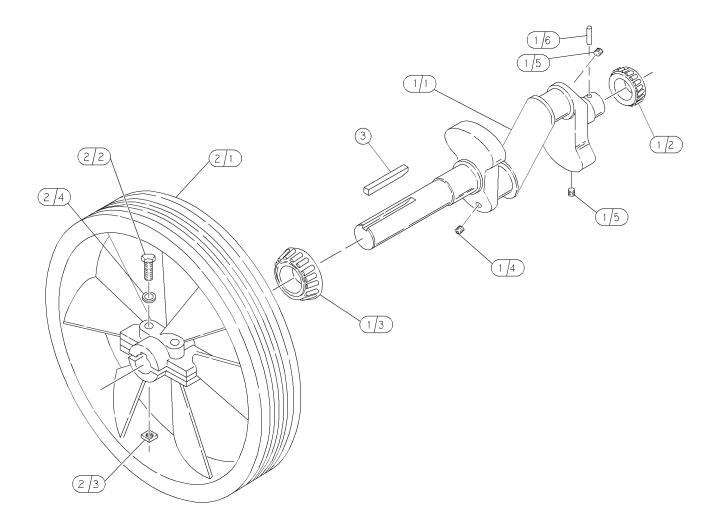
CRANKSHAFT GROUP 110630

Item Number	Qty.	Part Number	Description
1	1	111238X001	crankshaft assembly
1.1	1	111238R	crankshaft (N.S.S.; order 111238X001)
1.2	1	2788	bearing cone
1.3	1	40775	bearing cone
1.4	1	110234	orifice, 1/8 npt
1.5	2	2755S	pipe plug, $1/\hat{8}$ npt
1.6	1	110705-F17	roll pin, 3/16 x 1.38
2	1	110523X	sheave assembly
2.1	1	5836R	sheave, 19-1/2", 4G, B sect, ccw (N.S.S.; order 110523X)
2.2	2	110983-N22	hex. screw, 1/2-13 unc x 3.50, grade 8 (@ 90 ftlbs.)
2.3	2	116124-N02	square nut, 1/2-13 unc
2.4	2	110428N050	flatwasher, 1/2
3	1	1466	taper key

N.S.S. = Not Sold Separate

@ Indicates torque value (dry threads)

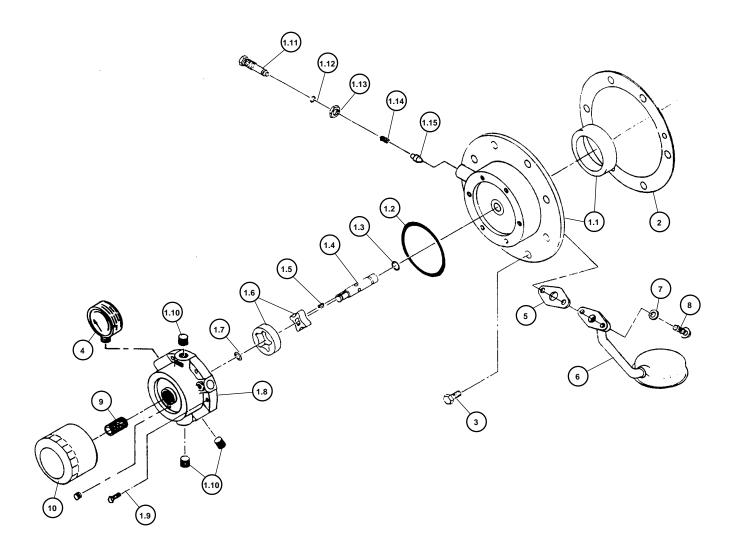
Note: For reversal of compressor rotation refer to QRNG instruction manual.



CRANKCASE GROUP 112047-001

Item		Part	
Number	Qty.	Number	Description
1	1	6904X	crankcase assembly
1.1	1	6904R	crankcase
1.2	1	3720	bearing cup
2	1	2057	pipe plug, 1/2 npt
3	*	1383	bearing adjustment shim, 005 steel
4	*	1383A	bearing adjustment shim, .007 steel
5 6	*	1383B 1383D	bearing adjustment shim, .020 steel bearing adjustment shim, .002 steel
7	1	112066-001	bearing adjustment simin, 1002 steel bearing adjustment plate assembly
7.1	1	112066	adjustment plate
7.2	1	112048	oil seal
8	4	123478-L14	hex. screw, 3/8-16 unc x 1.25, grade 5 (@ 30 ftlbs.)
9	2	1315-1	gasket, inspection plate
10	1	1249-1	inspection plate
11	1	6849-2	inspection plate (with oil filler)
12 13	12 1	123478-K12	hex. screw, 5/16-18 unc x 1.00, grade 5 (@ 12 ftlbs.) oil gauge
13 14	1	111876-2 5783	on gauge breather ball
15	1	5932	drive pin
16	12	110428N031	flatwasher, 5/16
17	1	22749-042	"o"ring, 1/16 wide x 3.38 o.d.
18	1	112033-908	"o"ring, 3/32 wide x .82 o.d.
			seal spring & lip
* Quantity a	s requir	ed	
	_	alue in foot pounds	(dry threads)
e mulcates	wique va	arue in 100t pounus	(ury ameaus)
			← drive pulley \ crankshaft \ crankcase →
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(C)		1	
~ `//9//		1 –	Install seal as shown if positive crankcase pressure exists (factory standard installation).
(b) /////		~	Reverse the seal if negative crankcase pressure exists.
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\sim	<i>-</i> y	911/11/	
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QRNG 370			Quincy Compressor

BEARING CARRIER GROUP 112042-001



BEARING CARRIER GROUP 112042-001

Ite Num		Qty.	Part Number	Description
1		1	112043-002	bearing carrier assembly (N.S.S.; order 112043G002)
	1.1	1	110812	bearing carrier
	1.2	1	22749-152	"o"ring, 3/32 wide x 3.44 o.d.
	1.3	1	22749-112	"o"ring, 3/32 wide x .69 o.d.
	1.4	1	160002-001	bearing carrier driveshaft
	1.5	1	160075-001	driveshaft key
	1.6	1	160003	pump gerotor
	1.7	1	6285	retaining ring
	1.8	1	110813-001	housing
	1.9	6	123777-J12	hex. screw, 1/4-20 unc x 1.00, grade 5 (@ 6 ftlbs.)
§	1.10	3	2719	pipe plug, 1/4 npt, hex socket
	1.11	1	5489	adjustment screw
	1.12	1	22749-011	"o"ring, 1/16 wide x .44 o.d.
	1.13	1	124369-P02	jamnut, 9/16-18 unf
	1.14	1	1160	spring
	1.15	1	112857	needle valve
2	2	1	5502-1	bearing carrier gasket
3	}	8	123478-L12	hex. screw, 3/8-16 unc x 1.00, grade 5 (@ 30 ftlbs.)
§ 4	ļ	1	*110822	oil pressure gauge
5	,	1	6679-1	gasket, oil inlet bracket
6	;	1	110659	oil pickup tube
7	7	2	123115-06C	lockwasher, 3/8
8	3	2	123478-L11	hex. screw, 3/8-16 unc x .88, grade 5 (@ 25 ftlbs.)
9)	1	110825	stud
1	.0	1	110814	oil filter
			160079-001 112043G002	Maintenance Parts Oil Pump Repair Kit includes "o"rings, bearing carrier driveshaft, key, gerotor pump & retaining ring Replacement Bearing Carrier Assembly includes bearing carrier assembly & bearing carrier gasket

N.S.S. = Not Sold Separate

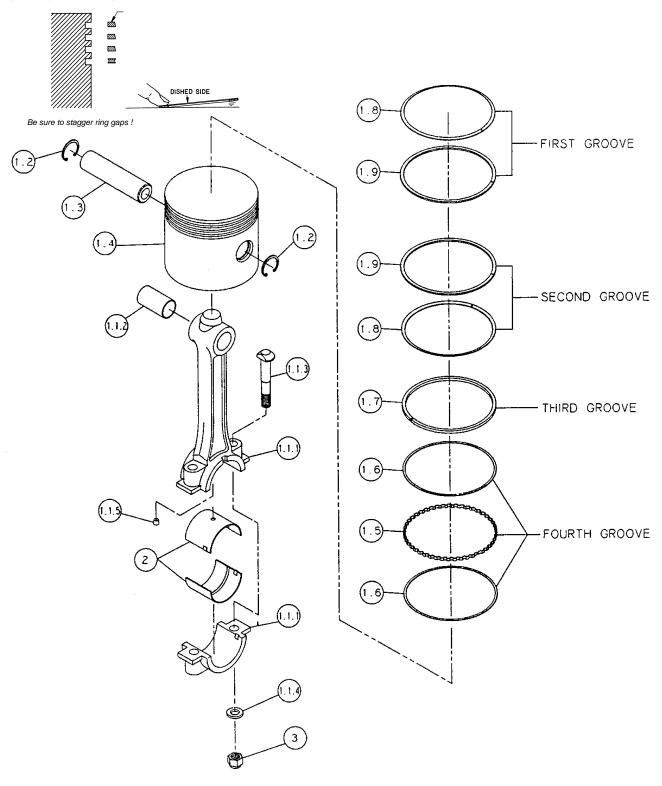
[@] Indicates torque value (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

 $^{^{\}ast}\:$ Should indicate approximately 25 PSIG at operating pressure.

[§] Install with Teflon® tape

CONNECTING ROD & PISTON GROUP 112050-002

(low pressure)



CONNECTING ROD & PISTON GROUP 112050-002

(low pressure)

Item		Part	
Number	Qty.	Number	Description
1	1	112051X1	connecting rod assembly (N.S.S.; see maintenance parts)
1.1	1	112051-002	connecting rod assembly (N.S.S.; see maintenance parts)
1.1.1	1	112058R	connecting rod
1.1.2	1	112234	needle bearing
1.1.3	2	1344	connecting rod bolt, 7/16-20 unc x 3.25
1.1.4	2	1319	connecting rod bolt washer
1.1.5	1	110801-001	orifice
1.2	2	128203-137	retaining ring
1.3	1	110190-019	piston pin
1.4	1	112052	piston
1.5	1	112749	ring spacer
1.6	2	112748	oil ring rail
1.7	1	9146	piston ring
1.8	2	6994	spring
1.9	2	6992	piston ring
2	2	6656	con-rod insert
3	2	124471-M08	locknut, 7/16-20 unf (@ 40 ftlbs.)
			Maintenance Parts
	1	112052-010	piston (.010 oversize)
	1	112052-020	piston (.020 oversize)
	* 1	6656PR	connecting rod inserts (1 pair, standard size)
	* 1	6656-010PR	connecting rod inserts (1 pair, .010 undersize)
	1	7527A	Ring Set, LP (standard) No Color Code
	1	5787-010	Ring Set, LP (.010 oversize) (L. Blue)
			includes all rings necessary for installing .010 oversize piston
	1	5787-020	Ring Set, LP (.020 oversize) (Yellow)
			includes all rings necessary for installing .020 oversize piston
		112052G001	Piston Assembly (standard)
			includes piston, pin, ring set & retaining rings
		112052G010	Piston Assembly (.010 oversize)
			includes piston, pin ring set & retaining rings
		112052G020	Piston Assembly (.020 oversize)
			includes piston, pin, ring set & retaining rings
		112053G	Replacement Connecting Rod Assembly (standard)
			includes connecting rod assembly, inserts (pair) & locknuts
		112053G010	Replacement Connecting Rod Assembly (.010 undersize)
			includes connecting rod assembly, inserts (pair) & locknuts

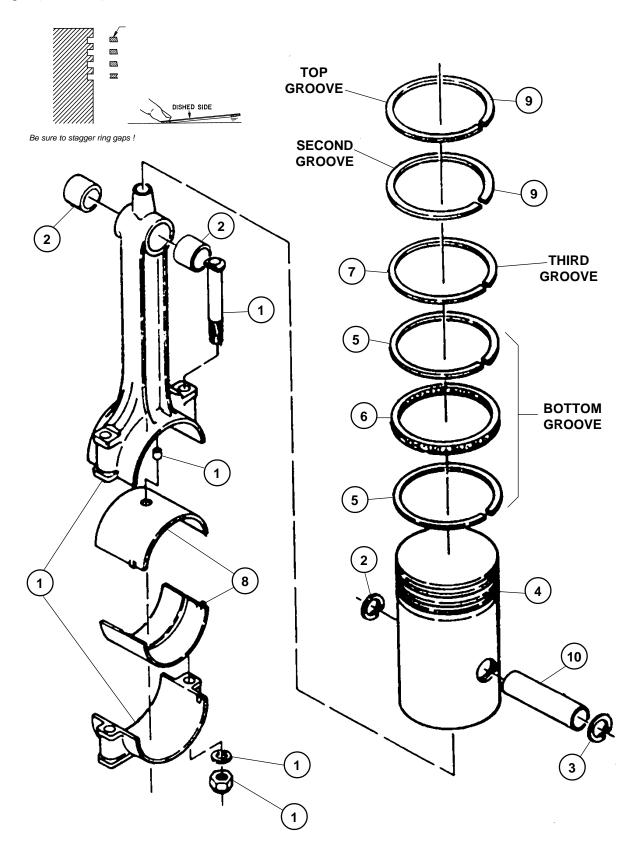
N.S.S. = Not Sold Separate

[@] Indicates torque value (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

 $[\]ensuremath{^{*}}$ One pair required for each connecting rod assembly.

CONNECTING ROD & PISTON GROUP 112055-001

(high pressure)



CONNECTING ROD & PISTON GROUP 112055-001

(high pressure)

Item		Part	
Number	Qty.	Number	Description
1	1	112056-001	connecting rod assembly (N.S.S.; see maintenance parts)
2	2	112059	needle bearing
3	2	8649	retaining ring
4	1	112057	piston
5	2	112782	oil ring rail
6	1	112783	piston ring
7	1	6997	piston ring
8	2	6656	connecting rod insert (sold in pairs only; see maintenance parts)
9	2	111845	piston ring
10	1	110190-020	piston pin
			Maintenance Parts
	1	112057-010	piston (.010 oversize)
	1	112057-020	piston (.020 oversize)
	* 1	6656PR	connecting rod inserts (1 pair, standard size)
	* 1	6656 - 010 PR	connecting rod inserts (1 pair, .010 undersize)
	1	8168A	Ring Set, HP (standard) No Color Code
			includes piston rings, piston rails, piston spring & spacer
	1	5788-010	Ring Set, HP (.010 oversize) (L. Blue)
			includes all rings necessary for installing .010 oversize piston
	1	5788-020	Ring Set, HP (.020 oversize) (Yellow)
			includes all rings necessary for installing .020 oversize piston
		112057G001	Piston Assembly (standard) includes piston, piston pin, ring set & retaining rings
		112057G010	Piston Assembly (.010 oversize)
		1120370010	includes piston, piston pin, ring set & retaining rings
		112057G020	Piston Assembly (.020 oversize)
		1120370020	includes piston, piston pin, ring set & retaining rings
		112058G	Replacement Connecting Rod Assembly (standard)
		1120000	includes connecting rod assembly, inserts & locknuts
		112058G010	Replacement Connecting Rod Assembly (.010 undersize)
		1120000010	includes connecting rod assembly, inserts & locknuts
			morates connecting for assembly, inserts a foculture

N.S.S. = Not Sold Separate

[@] Indicates torque value (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

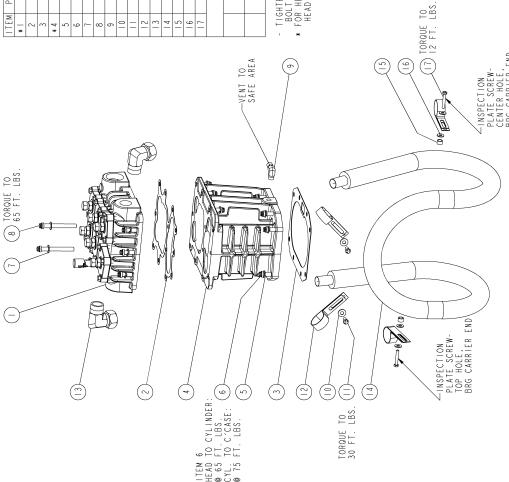
^{*} One pair required for each connecting rod assembly.

CYLINDER & HEAD GROUP 115348-007

(plain head)

DESCRIPTION	HEAD ASSEMBLY, ORNG-350/370	GASKET, HEAD TO CYLINDER	GASKET	CYLINDER, 370HP	LOCKWASHER	12PT SCREW, 1/2-13 UNC X 1.50, GRADE 8	FLATWASHER	COUNTERBORE SCREW, 1/2-13 UNC X 4.25, GRADE 8	TUBE FITTING, 90 MALE ELBOW, 3/8 TUBE X 3/8 NPT	FLAT WASHER, 3/8	HEX SCREW, 3/8-16 UNC X .75, GRADE 5	CLAMP, INTERCOOLER	TUBE FITTING, 90 MALE ELBOW, I-1/4 TUBE X 1-1/4 NPT	INTERCOOLER	SPACER	FLAT WASHER, 5/16	HEX SCREW, 5/16-18 UNC X 2.00, GRADE 5	MAINTENANCE PARTS	REPLACEMENT HEAD ASSEMBLY INCLUDES ITEMS I AND 2 (I EACH)	INTERCOOLER REPLACEMENT KIT INCUDES ITEM 14 (I EA) 8 ITEM 13 (2 EA).
QT Y	-	_	_	-	∞	∞	2	2	_	2	2	4	2	_	2	4	2			
PART NUMBER OTY	115343P-004	7403-1	5827-3	8262-IHP	123115-080	90386-NI5	1478-1	5863	110419-010	110428W038	123478-L10	114574-002	110419-022	115521-1	110613-001	110428W031	123478-KI7		1153436002	115521-1K
I TEM	-	2	3	* 4	2	9	7	8	6	0		1.2	13	1 4	1.5	91	17			

HTEN ALL BOLTS AND CAPSCREWS IN ANY BOLT PATTERN, EVENLY BRINGING EACH IT TO TOROUE IN EQUAL INCREMENTS, WHILE MOVING ABOUT THE BOLT PATTERN. HEAD AND CYLINDER REPLACEMENT, ORDER II53434PS HEAD IN LIEU OF II53431 AND ASA2-HPS CYLINDER NI III OF ASA2-HP CYLINDER



QRNG 370

Quincy Compressor

CYLINDER & HEAD GROUP 115348-012

(head with unloaders)

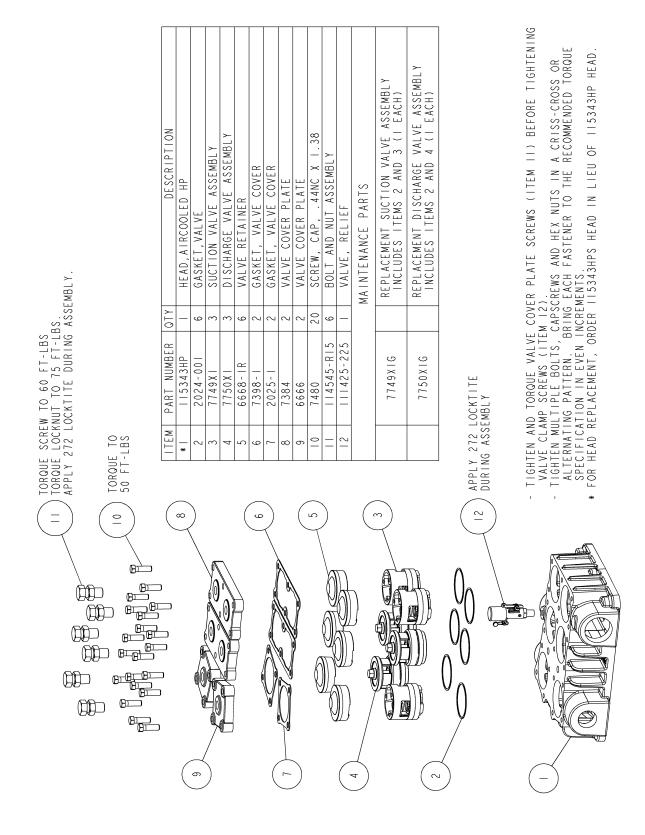
0 000011 00	R 5 FT. LBS. SAFE AREA INSPECTION PLATE SCREW- CENTER HOLE. B 6 FT. LBS.				(nedd wiin driioc
S FT. LBS. SAFE AREA INSPECTION PLATE SCREW- CENTER HOLE B 6 5 FT. LBS.	S S S S S S S S S S S S S S S S S S S	HEAD ASSEMBLY, 350NG/370NG, GASKET, HEAD TO CYLINDER GASKET CYLINDER, 370HP LOCKWASHER 12PT SCREW, 1/2-13 UNC X 1.5	FLATWASHER COUNTERBORE SCREW, 1/2-13 UNC X 4.25, GRADE 8 TUBE FITTING, 90 MALE ELBOW, 3/8 TUBE X 3/8 NPT FLAT WASHER, 3/8 HEX SCREW, 3/8-16 UNC X .75, GRADE 5 CLAMP, INTERCOLER TUBE FITTING, 90 MALE ELBOW, 1-1/4 TUBE X 1-1/4 INTERCOLER SPACER FLAT WASHER, 5/16 HEX SCREW, 5/16-18 UNC X 2.00, GRADE 5	MAINTENANCE PARTS REPLACEMENT HEAD ASSEMBLY INCLUDES ITEMS I AND 2 (I EACH) INTERCOCLER REPLACEMENT KIT INTERCOCLER REPLACEMENT KIT INCLODES ITEM I3 (I EA) & ITEM I2 (2 EA). ND CAPSCREWS IN ANY BOLT PATTERN EVENLY BRINGING EACH EQUAL INCREMENTS, WHILE MOVING ABOUT THE BOLT PATTERN. ER REPLACEMENTS, ORDER I 15349HPS HEAD IN LIEU OF 7395-IHPS CYLINDER IN LIEU OF 7395-IHP CYLINDER.	
PORROUE TO SAFE AREA SAFE	S S S F E ARE A S AF E ARE A S AF E CARRIER END CENTER HOLE. BRG CARRIER END CARRIER END CARRIER END	3		3 (CYLINDE AD AND	
S FT. LBS. SAFE AREA INSPECTION PLATE SCREW- CENTER HOLE B 6 577. LBS.	S S S S S S S S S S S S S S S S S S S	15343UU-0 15343UU-0 403-1 827-3 262-1HP 23115-08C 0386-N15	863 10419-010 10428W038 10428W038 23478-L10 14574-002 16521-1 16521-1 10428W031 23478-K17		OB
ON PLATE SCREW. CENTER HOLE. BRG CARRIER REA	S 5 S FT. LBS. S AFE AREA S AFE CARRIER END CENTER FOLE BRG CARRIER FOLE BRG CA	6 5 4 3 2 - EM		1 - * FOREST	OROUE T
	S S S S S S S S S S S S S S			S A F E	

QRNG 370

Quincy Compressor

HEAD ASSEMBLY 115343P-004

(plain head)



QRNG 370 Quincy Compressor

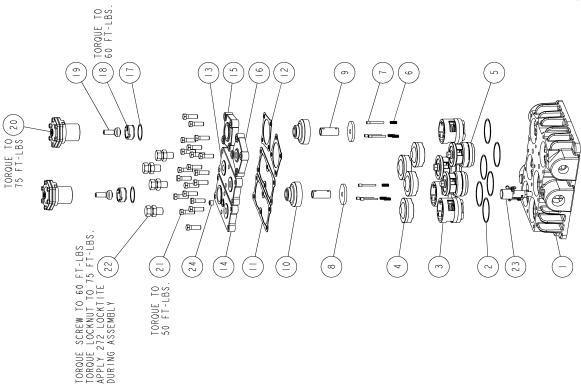
HEAD ASSEMBLY 115343UU-005

(head with unloaders)

DESCRIPTION	HEAD, AIRCOOLED HP	GASKET, VALVE	SUCTION VALVE ASSEMBLY	VALVE RETAINER	DISCHARGE VALVE ASSEMBLY	SPRING, UNLOAD. PIN	UNLOADER PIN	VALVE PLATFORM	UNLOADER PIN	RETAINER, VALVE	GASKET, VALVE COVER	GASKET, VALVE COVER	VALVE COVER PLATE	COVER PLATE	VALVE COVER PLATE	VALVE COVER PLATE	VALVE COVER CAP GASKET	HOLD DOWN SCREW	UNLOADER PISTON ASSEMBLY	AY, UNLOADER, PNEUMATIC	SCREW, CAP, .44NC X 1.38	BOLT AND NUT ASSEMBLY	VALVE, RELIEF	PIPE PLUG,1/4 NPT	MAINTENANCE PARTS	REPLACEMENT SUCTION VALVE ASSEMBLY INCLUDES ITEMS 2 AND 3 (I EACH)	REPLACEMENT SUCTION VALVE ASSEMBLY INCLUDES ITEMS 2 AND 3 (I EACH), ITEMS 6 AND 7 (3 EACH)	REPLACEMENT DISCHARGE VALVE ASSEMBLY INCLUDES ITEMS 2 AND 5 (I EACH)	REPLACEMENT UNLOADER ASSEMBLY INCLUDES ITEMS 17, 19 AND 20 (1 EACH)	
QTY	-	9	3	4	m	9	9	2	2	2	2	2	_	_	_	_	2	2	2	2	20	4	_	_						
PART NUMBER	115343HP	2024-001	7749XI	6668-IR	7750XI	0169	1857	5729	6912-002	1169	7398-1	2025-1	7384	7385	8069	9999	1556	3008	7532XI	40055	7480	114545-R15	111425-225	2719		7749XIG	774960	7750XIG	7483XI	
ITEM	_	2	3	4	2	9	7	8	6	0	=	1.2	-3	14	15	91	1.1	8	61	20	21	22	23	2.4						

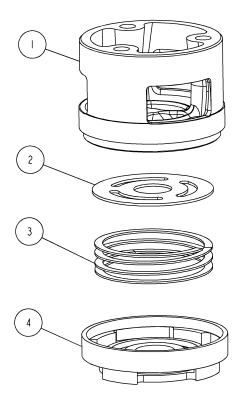
TORQUE VALVE COVER PLATE SCREWS (ITEM 21) BEFORE TIGHTENING

TIGHTEN WULTIPLE BOLTS, CAPSCREWS AND HEX NUTS IN A CRISS-CROSS OR ALTERNATING PATTERN. BRING EACH FASTENER TO THE RECOMMENDED TORQUE SPECIFICATION IN EVEN INCREMENTS. FOR HEAD REPLACEMENT, ORDER 115343HP HEAD.



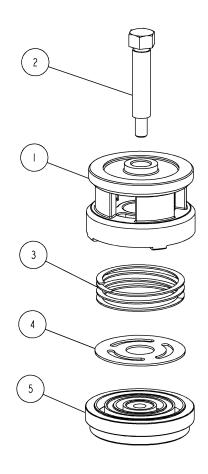
QRNG 370 Quincy Compressor

SUCTION VALVE ASSEMBLY 7749X1



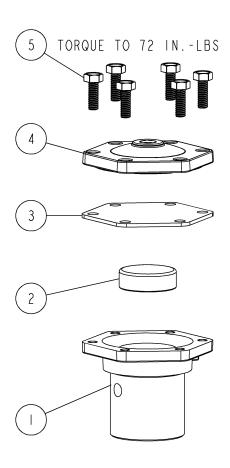
ITEM	PART NUMBER	QTY	DESCRIPTION
	7749		SEAT, SUCTION
2	7753		VALVE DISC
3	6909		VALVE SPRING
4	7751		BUMPER, SUCTION

DISCHARGE VALVE ASSEMBLY 7750X1



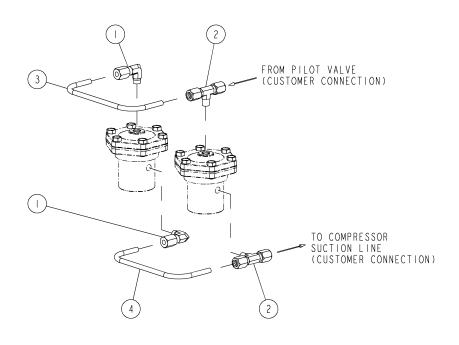
ITEM	PART NUMBER	QTY	DESCRIPTION
	7752		BUMPER, DISCHARGE
2	5746		POST, DISCHARGE VALVE
3	6909		VALVE SPRING
4	7753		VALVE DISC
5	7750		SEAT, DISCHARGE

PNEUMATIC UNLOADER ASSEMBLY 40055



ITEM	PART NUMBER	QTY	DESCRIPTION
	7483		UNLOADER BODY
2	5910		UNLOADER CAP
3	1855	I	DIAPHRAGM
4	1818B	1	PLATE, COVER DIAPHRAGM
5	7499	6	SCREW

CONTROL GROUP 116269-001

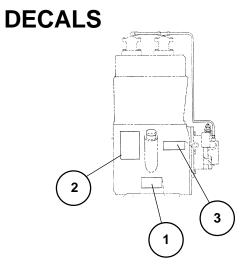


ITEM	PART NUMBER	QTY DESCRIPTION						
	110419-004	2	TUBE FITTING, 90 MALE ELBOW, 1/4 TUBE X 1/8 NPT					
2	116268-002	2	TUBE FITTING, MALE BRANCH TEE, 1/4T X 1/8P					
3	110421	1	I/4" STEEL TUBE (I FT)					
4	110421		I/4" STEEL TUBE (I FT)					

Recommended Spare Parts						
Item #	Part Qty. Number Description					
	3 7749X1G 3 7750X1G 1 110822 1 160079-001 1 7503G		replacement suction valve assy. replacement discharge valve assy. oil pressure gauge oil pump repair kit gasket set			

"O"Ring Kit 110291G				
Item #	Qty.	Part Number	Description	
	1	112033-908	"o"ring, 3-1/2 wide x .82 o.d.	
	1	112048	oil seal	
	1	22749-011	"o"ring, 1/16 wide x .44 o.d.	
	1	22749-112	"o"ring, 3/32 wide x .69 o.d.	
	1	22749-042	"o"ring, 1/16 wide x 3.38 o.d.	
	1	22749 - 152	"o"ring, 3/32 wide x 3.44 o.d.	

Gasket Set 7503G				
Item #	Qty.	Part Number	Description	
	1 2 2 3 5 3 2 1 1 6 1	5827-3 1315-1 7398-1 1383 1383A 1383B 1383D 5502-1 7403-1 2024-001 6679-1 2025-1	gasket, cylinder to crankcase gasket, inspection plate gasket bearing adj. shim, .005 steel bearing adj. shim, .007 steel bearing adj. shim, .020 steel bearing adj. shim, .002 steel gasket, bearing carrier gasket valve gasket oil inlet bracket gasket valve cover gasket	



QUIN-CIP® LUBRICANT

Refer to the chart below to order QUIN-CIP compressor lubricant from your local authorized Quincy distributor.

Package	Part No.	Description
Barrel	112541D032	55 gal., SAE 10W
Pail	112541P032	5 gal., SAE 10W
Gallon	112541G032	1 gal., SAE 10W
Gallon Case	112541X032	(4)-1 gal., SAE 10W
Quart	112541Q032	1 qt., SAE 10W
Quart Case	112541C032	(12)-1 qt., SAE 10W
Barrel	112542D068	55 gal., SAE 20
Pail	112542P068	5 gal., SAE 20
Gallon	112542G068	1 gal., SAE 20
Gallon Case	112542X068	(4)-1 gal., SAE 20
Quart	112542Q068	1 qt., SAE 20
Quart Case	112542C068	(12)-1 qt., SAE 20
Barrel	112543D100	55 gal., SAE 30
Pail	112543P100	5 gal., SAE 30
Gallon	112543G100	1 gal., SAE 30
Gallon Case	112543X100	(4)-1 gal., SAE 30
Quart	112543Q100	1 qt., SAE 30
Quart Case	112543C100	(12)-1 qt., SAE 30

tem #	Qty.	Part Number	Description
1	1	110831	serial number & nameplate
2	1	* 127889-A	decal, CAUTION!/manual/ "Failure to follow"
3	1	*127889-B	decal, DANGER! / "Air used for breathing"
4	1	113387	decal, CAUTION/Do not remove dipstick

CRANKCASE LUBRICANT CAPACITY

Model	Less Filter	With Filter
QRNG 370	$4^3/_4$ Qts.	Add 10 oz.

CAUTION!

Refer to the QRNG Series Instruction Manual for vital lubrication information.

QUINCY COMPRESSOR STANDARD TERMS AND CONDITIONS

LEGAL EFFECT: Except as expressly otherwise agreed to in writing by an authorized representative of Seller, the following terms and conditions shall apply to and form a part of this order and any additional and/or different terms of Buyer's purchase order or other form of acceptance are rejected in advance and shall not become a part of this order.

The rights of Buyer hereunder shall be neither assignable nor transferable except with the written consent of Seller.

This order may not be canceled or altered except with the written consent of Seller and upon terms which will indemnify Seller against all loss occasioned thereby. All additional costs incurred by Seller due to changes in design or specifications, modification of this order or revision of product must be paid for by Buyer.

In addition to the rights and remedies conferred upon Seller by this order, Seller shall have all rights and remedies conferred at law and in equity and shall not be required to proceed with the performance of this order if Buyer is in default in the performance of such order or of any other contract or order with seller.

TERMS OF PAYMENT: Unless otherwise specified in the order acknowledgment, the terms of payment shall be 1% 15, net forty-five (45) days after shipment. These terms shall apply to partial as well as complete shipments. If any proceeding be initiated by or against Buyer under any bankruptcy or insolvency law, or in the judgment of Seller the financial condition of Buyer, at the time the equipment is ready for shipment, does not justify the terms of payment specified, Seller reserves the right to require full payment in cash prior to making shipment. If such payment is not received within fifteen (15) days after notification of readiness for shipment, Seller may cancel the order as to any unshipped item and require payment of its reasonable cancellation charges.

If Buyer delays shipment, payments based on date of shipment shall become due as of the date when ready for shipment. If Buyer delays completion of manufacture, Seller may elect to require payment according to percentage of completion. Equipment held for Buyer shall be at Buyer's risk and storage charges may be applied at the discretion of Seller.

Accounts past due shall bare interest at the highest rate lawful to contract for but if there is no limit set by law, such interest shall be eighteen percent (18%). Buyer shall pay all cost and expenses, including reasonable attorney's fees, incurred in collecting the same, and no claim, except claims within Seller's warranty of material or workmanship, as stated below, will be recognized unless delivered in writing to Seller within thirty (30) days after date of shipment.

TAXES: All prices exclude present and future sales, use, occupation, license, excise, and other taxes in respect of manufacture, sales or delivery, all of which shall be paid by Buyer unless included in the purchase price at the proper rate or a proper exemption certificate is furnished.

ACCEPTANCE: All offers to purchase, quotations and contracts of sales are subject to final acceptance by an authorized representative at Seller's plant.

DELIVERY: Except as otherwise specified in this quotation, delivery will be F. O. B. point of shipment. In the absence of exact shipping instruction, Seller will use its discretion regarding best means of insured shipment. No liability will be accepted by Seller for so doing. All transportation charges are at Buyer's expense. Time of delivery is an estimate only and is based upon the receipt of all information and necessary approvals. The shipping schedule shall not be construed to limit seller in making commitments for materials or in fabricating articles under this order in accordance with Seller's normal and reasonable production schedules.

Seller shall in no event be liable for delays caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control. No provision for liquidated damages for any cause shall apply under this order. Buyer shall accept delivery within thirty (30) days after receipt of notification of readiness for shipment. Claims for shortages will be deemed to have been waived if not made in writing with ten (10) days after the receipt of the material in respect of which any such shortage is claimed. Seller is not responsible for loss or damage in transit after having received "In Good Order" receipt from the carrier. All claims for loss or damage in transit should be made to the carrier.

TITLE & LIEN RIGHTS: The equipment shall remain personal property, regardless of how affixed to any realty or structure. Until the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller shall, in the event of Buyer's default, have the right to repossess such equipment.

PATENT INFRINGMENT: If properly notified and given an opportunity to do so with friendly assistance, Seller will defend Buyer and the ultimate user of the equipment from any actual or alleged infringement of any published United States patent by the equipment or any part thereof furnished pursuant hereto (other than parts of special design, construction, or manufacture specified by and originating with Buyer), and will pay all damages and costs awarded by competent court in any suit thus defended or of which it may have had notice and opportunity to defend as aforesaid.

STANDARD WARRANTY: Seller warrants that products of its own manufacture will be free from defects in workmanship and materials under normal use and service for the period specified in the product instruction manual. Warranty for service parts will be Ninety (90) days from date of factory shipment. Electric Motors, gasoline and diesel engines, electrical apparatus and all other accessories, components and parts not manufactured by Seller are warranted only to the extent of the original manufacturer's warranty.

Notice of the alleged defect must be given to the Seller, in writing with all identifying details including serial number, type of equipment and date of purchase within thirty (30) days of the discovery of the same during the warranty period.

Seller's sole obligation on this warranty shall be, at its option, to repair or replace or refund the purchase price of any product or part thereof which proves to be defective. If requested by Seller, such product or part thereof must be promptly returned to seller, freight prepaid, for inspection.

Seller warrants repaired or replaced parts of its own manufacture against defects in materials and workmanship under normal use and service for ninety (90) days or for the remainder of the warranty on the product being repaired.

This warranty shall not apply and Seller shall not be responsible or liable for:

- (a) Consequential, collateral or special losses or damages;
- (b) Equipment conditions caused by fair wear and tear, abnormal conditions of use, accident, neglect or misuse of equipment, improper storage or damage resulting during shipping;
- (c) Deviation from operating instructions, specifications or other special terms of sale;
- (d) Labor charges, loss or damage resulting from improper operation, maintenance or repairs made by person(s) other than Seller or Seller's authorized service station.

In no event shall Seller be liable for any claims whether arising from breach of contract or warranty or claims of negligence or negligent manufacture in excess of the purchase price.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLERS AND ANY OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE ARE HEREBY SPECIFICALLY EXCLUDED.

LIABILITY LIMITATIONS: Under no circumstances shall the Seller have any liability for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, whether resulting from delays in delivery or performance, breach of warranty, negligent manufacture or otherwise.

ENVIROMENTAL AND OSHA REQUIREMENTS: At the time of shipment of the equipment from the factory, Quincy Compressor / Ortman Fluid Power will comply with the various Federal, State and local laws and regulations concerning occupational health and safety and pollution. However, in the installation and operation of the equipment and other matters over which the seller has no control, the Seller assumes no responsibility for compliance with those laws and regulations, whether by the way of indemnity, warranty or otherwise.

June 30, 2003



an EnPro Industries company

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