

Field Service, new and reconditioned parts, rings, valve and case repair

- 24/7 Service
- Large Inventory of Parts
- Sales Offices in Northern and Southern CA
- 9,500 Sq. Foot Machine Shop in Santa Clarita, CA
- New & Used Equipment
- Free Technical Support
- Expert Valve and Packing Case Repair
- Detailed Reports and Air Test Certification

Our knowledge combined with an extensive inventory positions us to deliver the highest quality and most responsive service; ensuring maximum uptime with minimal investment. We service over 400 companies in California and Arizona and look forward to earning your business as well.



FIELD SERVICE, FREE PHONE & ON-SITE TECHNICAL ADVICE



VALVES | REPAIR, NEW & CUSTOM ENGINEERED



OEM STANDARD OR CUSTOM CUT RINGS



PACKING AND WIPER CASE REPAIR



CUSTOM PACKING SOLUTIONS

COMPRESSORS SERVED:

- Atlas Copco
- Antilles Francis
- Ariel
- Bauer
- Belliss & Morcom
- Burckhardt
- Blackmer
- Clark Chicago Pneumatic
- Cooper Bessemer
- Corken
- Galileo
- Gardner Denver
- Gemini
- Greenfield
- Ingersoll Rand
- Joy
- Knox Western
- LMF
- Nova Pignone
- Norwalk
- Penjax
- Pennsylvania Quincy
- White Superior
- Sulzer
- Worthington
- ...and more.

YOUR ONE STOP PROVIDER FOR

- Field Service
- Technical Advice
- Valves | New & Rebuilt
- Packing & Cases | New & Rebuilt
- Rings
- Rider Bands
- Pistons & Rods
- Cylinders | New & Reconditioned
- Metal Spray & Grinding
- Filters Lubricators
- Actuators
- Engine Parts
- New & Used Equipment
- Used Parts
- Motors
- Fluid Ends
- Custom Engineering
- ...and more.

COMPRESSOR VALVE AND PACKING CASE REPAIR

Arkos Field Services is a global leader in the manufacturer of compressors and parts. This provides us even more capabilities along with the buying power to deliver the best service & value in the industry. We serve all of California and Arizona with sales offices located in Huntington Beach and Bakersfield and a 9,500 square foot machine shop in Santa Clarita, CA. We specialize in the repair of all makes and models of compressors, valves and packing cases, supplying detailed reports and pressure tested certificates every order. Arkos has the experience and parts on hand to provide your company the fastest service with a same day turn around available in many cases. We perform the highest quality work at competitive prices and currently service more than 400 companies throughout California and Arizona.

FIELD SERVICE

Free on-site technical review & project consultation. Top quality field service at affordable rates provided through Northwest Industrial.

PISTON RINGS, RIDER BANDS, ROD PACKING AND EMISSION CONTROL PACKING CASES

Arkos Field Services is both an OEM and aftermarket supplier for many compressor manufacturers. We supply standard and custom cut rings along with rider bands overnight...most often at half the price of other suppliers.

COMPRESSOR, PUMP AND ENGINE PARTS:

For all makes of air and gas compressors, pumps and engines. This includes cylinders, frames, pistons, rods, piston rings, packing, valves, bearings, plungers, fluid ends, plugs, wires, gaskets and more. We stock a large quantity of compressor parts and as part of our service we will stock most parts as required for your specific company needs.

NEW COMPRESSOR VALVES AND RETRO-FIT VALVES:

Custom engineered valves and unloader actuators which include bellow type zero leakage unloaders. New valves for any make of compressors. Performance runs to ensure your valves are built to specs for your current conditions.

NEW OR REBUILT USED COMPRESSORS, PUMPS, ENGINES, AND ELECTRIC MOTORS:

Customers include Chevron/Texaco, Occidental Petroleum, Southern California Edison, Southern California Gas and PG&E. We offer compressor re-vamp services for all applications and can supply new or rebuilt units, or rework your equipment to meet your requirements.

ELECTRIC MOTORS

We offer extremely competitive pricing for Reliance Electric, U.S. Motors, Marathon Electric, Lincoln Electric, Teco/Westinghouse and Magnetic.

LUBRICATOR PUMP PARTS

Lubricator pumps and parts for Lubriquip, Manzel, McCord, Trabon and others. Lubricator pump and box repair on all sizes and makes.

FILTERS

Industrial air intake and oil filters for all makes of engines and compressors. Engine and glycol systems centrifuges, custom designed to your flow requirements.

METAL SPRAY AND GRINDING

Metal spraying of rods, compressor pistons, cylinders etc; tungsten or stainless. Complete re-conditioning of pumps, compressors and centrifuges for all types of industries. Free pick up and delivery on most items sent in for machine work.

VALVE REPAIR PROCEDURES

UPON ARRIVAL AT OUR FACILITY

1. All valves are counted and identified per OEM manufacturers. Repair drawings are pulled from customer files
2. Valves are disassembled.
3. Internal valve parts are inspected and parts are kept in a bag until job is complete.
4. Seats, guards and center bolts are high pressure washed.
5. Seats, guards and center bolts are glass bead blasted.
6. Seats, guards and center bolts are magnafluxed to detect cracks.
7. All seats and guards are high speed machined and polished to OEM specifications.
8. All critical dimensions lift, seat thickness, spring pocket depths are checked for conformity to OEM specifications. Replacement seats & guards checked.
9. New internals are installed in each valve from our inventory.
10. Valves are stamped with Arkos job number.
11. Valves are air tested.
12. Valves are packaged in plastic bags with desiccant packet and heat sealed.
13. Seat and cover gaskets are enclosed with the valves.
14. Valves are boxed and labeled according to customer requirements.
15. All parts are ISO9002 compliant.

VALVE & PACKING CASE PROCEDURE CHECK LIST

CHECKLIST	NAME	DATE
Write Up Valves	_____	_____
Check-In No. of Valves or No. Against Write-Up	_____	_____
Disassemble Valves	_____	_____
Any Parts Missing	_____	_____
Hot Tank Wash Valves	_____	_____
Glass Media Blasting	_____	_____
Magna Flux Valves, Bolts, Etc.	_____	_____
Inspection of Valves, Tag Scrap	_____	_____
Dimension Check: New Seats, Guards, Packing & Parts	_____	_____
Inspect Seat/Packing Case Retirement Dimensions	_____	_____
Machine Valve Seats/Packing Case Cups Etc.	_____	_____
Final Inspection	_____	_____
Assemble Valves, Packing Case Etc.	_____	_____
Air Test Valves	_____	_____
Make and Tag Boxes for Jobs	_____	_____
Stamp and Bag Valves	_____	_____
Package Valves in Boxes	_____	_____
Stamp Box with Gasket Information	_____	_____
Put Completed Job on Delivery Table	_____	_____

Part of the Burckhardt Compression Group

Company **Sample Arkos Valve Report**

Phone

Mobile

Fax

Email

Date

Job No.

Make

Model/Serial No.

Notes **Magnafluxing showed crack in guard on 1st stg. S/V "C". Replaced with good used guard from Arkos stock.**

Color Legend



Seat Nearing retirement dim



Seat too close to or past retirement dimension, had to be machined past retirement dimension during repair, or was damaged beyond ability to attempt repair. (All scrap will be returned)

VALVE PART NO.	STG.	VALVE TYPE	VALVE ID	OEM SEAT NEW	OEM SEAT MIN	SEAT DIM ON ARRIVAL	AMOUNT OVER MIN ON ARRIVAL	CAN BE USED AFTER MACHINED? YES/NO	RETURNED DIM AFTER ARRIVAL	AMOUNT LEFT TO MACHINE	X=SCRAP	REPLACEMENT SEAT THICKNESS
179CKT	1ST	S/V	A	0.985	0.923	0.985	0.062	YES	0.977	0.054		
179CKT	1ST	S/V	B	0.985	0.923	0.985	0.062	YES	0.976	0.053		
179CKT	1ST	S/V	C	0.985	0.923	0.982	0.059	YES	0.976	0.053		
179CKT	1ST	D/V	D	0.985	0.923	0.924	0.001	NO	0.924	0.001	X	0.985
179CKT	1ST	D/V	E	0.985	0.923	0.985	0.062	YES	0.977	0.054		
179CKT	1ST	D/V	F	0.985	0.923	0.980	0.057	YES	0.972	0.049		
179CKT	1ST	D/V	G	0.985	0.923	0.932	0.009	YES	0.927	0.004		
179CKT	1ST	D/V	H	0.985	0.923	0.985	0.062	YES	0.977	0.054		

FEATURES AND BENEFITS OF YOUR ARKOS VALVE REPORT

Shows original OEM thickness - Informs you of the new valve seat thickness before any machining for repairs.

Shows OEM minimum thickness - Informs you of when the valve seat should be retired & replaced to avoid effecting performance.

Shows existing seat thickness upon arrival to Arkos for repair - Informs you of the thickness upon arrival at our shop & establishes a benchmark from when we first receive it.

Shows how much is left for machining before reaching retirement dimension - Informs you roughly how many future machined repairs the seat will take before retirement.

Shows when a seat is near retirement by automatically highlighting the "Amount Left To Be Machined" column in Yellow - Informs you of the need for replacement soon, helps with budgeting & ordering ahead of in the event of a long lead times.

Shows when seat is at, or past retirement by automatically highlighting the "Scrap" column in Red - Informs you that the seat is in need of retirement & replacement to avoid effecting valve performance.

Shows amount removed by Arkos - Informs you how much machining was required to remove imperfections. Also ensures our shop is removing only the minimal amount needed to maximize seat life & help lower costs.

Valves stamped with individual ID. & Arkos job number - Informs us of date valve was repaired; if a valve returns for repair too often we will alert you and assist in finding the cause.



VALVES PRESSURE TESTED TO OEM SPECS

After testing your valve is sealed in waterproof protective plastic then placed in a box with test receipt. Box is then stamped with Arkos job number & date. A label is applied with part number, your company and compressor information along with any additional information requested. It is sealed and returned to you.

Free pick up & delivery for California & Arizona customers available in most cases.

PACKING AND WIPER CASE INSPECTION REPORT

Company	Sample	Phone		Site	
Contact		Email		Date	
Compressor	Ingersoll Rand	Model	RDS	Serial No.	
Stage	1	Cyl. Size	11	Cyl. Ser. No.	
Arkos Job No.	5855	Packer Part No.	MLH34620CGI	Wiper No.	NB
		Packer ID	C		

PACKER

Cup	Depth upon Receipt	OEM Depth Returned	ID
1	.375	.375	3-385
2	.375	.375	3-385
3	.375	.375	3-385
4	.615	.615	3-385
5			
6			
7			
8			
9			
10			
11			
12			
Flange Cup			
Flange Cup			

WIPER

Cup	Depth upon Receipt	OEM Depth Returned	ID
1	.876	.876	3-745
2			
3			
Flange Cup			

Packing Length Upon Receipt	Length After Machining	Flange Thickness	Amount Removed from Length
5.077	5.077	1.378	N/A

Length if cup added

Field Measurement	Cylinder Register Depth	Thread Length (Bolt/Stud)
	2 5/8"	

Inspector RR

Signature _____

Date June 9, 2012