

Gardner
Denver

OIL-WATER SEPARATORS

GD PAK Series



Why Do I Need an Oil-Water Separator?

The process of compressing air typically produces a substantial amount of condensate that contains air compressor lubricant carryover. Without an oil-water separator in your compressed air system, this condensate/lubricant mixture will go down the drain and quite possibly find its way into the surrounding groundwater. This improper disposal causes three huge issues:

Pollution

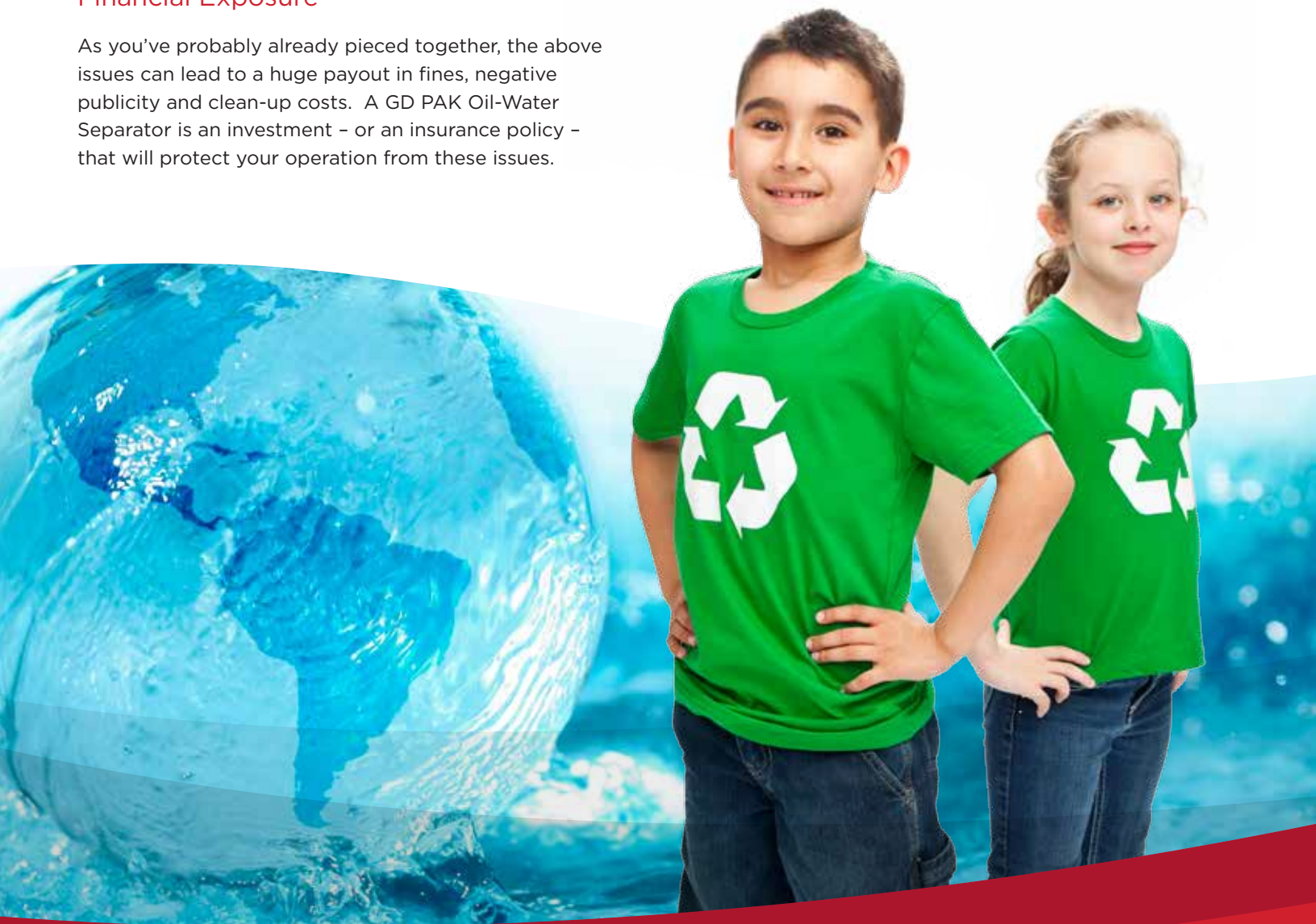
A single 100 HP air compressor can carryover 15 gallons of lubricant per year. Combine that with the fact that a single gallon of lubricant can contaminate 4 acres of groundwater and you start to see the importance of capturing the lubricant before it heads down the drain.

Financial Exposure

As you've probably already pieced together, the above issues can lead to a huge payout in fines, negative publicity and clean-up costs. A GD PAK Oil-Water Separator is an investment - or an insurance policy - that will protect your operation from these issues.

Legal Liability

Improperly disposing of this condensate/lubricant mixture is illegal. Depending on your location, the allowable amount of lubricant contamination sent into the sewer can be as low as 10 ppm. The condensate produced by the typical air compressor has between 500 and 5000 ppm of contaminants.



GD PAK Advantage

The GD PAK System has been engineered to provide the most effective and user-friendly oil-water separator on the market.

The Science Behind the Media

The alumino silicate substrate media included within the GD PAK is formulated to attract the contaminants and repel water molecules. When the condensate/lubricant mixture passes through the media bed, the lubricants are actually bonded to the media. This bonding process virtually eliminates any possibility of the used media being able to contaminate ground water at any point in the future.

A Beautifully Simple Design

Unlike some of the alternative oil-water separators on the market, GD PAK units have no need for expensive pumps, sensors or pre-separation filters. The media bed does such an effective job that no prefiltration is needed. In addition to the proprietary media, rugged internal piping assures proper operation over the life of the unit.

Maintenance and Clean-Up

Instead of opening the unit to replace spent media (a very messy process), when the unit is full, simply dispose of it as non-hazardous waste in accordance with local regulations. If no local disposal is available, ship it back to us and replace it with a new unit. This “fill and replace” method will ensure that both you and your compressor room do not end up covered in air compressor lubricant.



25 Gallon Unit



7 Gallon Unit



40 Gallon &
60 Gallon Units

Which Unit is Right for My Operation?

Lubricant Type

There are two different lines of GD PAK Oil-Water Separators – standard units and silicone units. The standard units handle all of the below fluids. The standard units handle all of the below fluids. A silicone unit is needed if you are utilizing a silicone-based lubricant in your air compressor. Please contact Gardner Denver for information on the silicone units. All part numbers, specifications, etc in this brochure pertain to the standard units.

- Diester-based lubricants
- PAO-based lubricants
- Glycol-based lubricants
- Hydraulic lubricants
- Food grade lubricant
- Mineral-based lubricant

Sizing Information and Life Expectancy

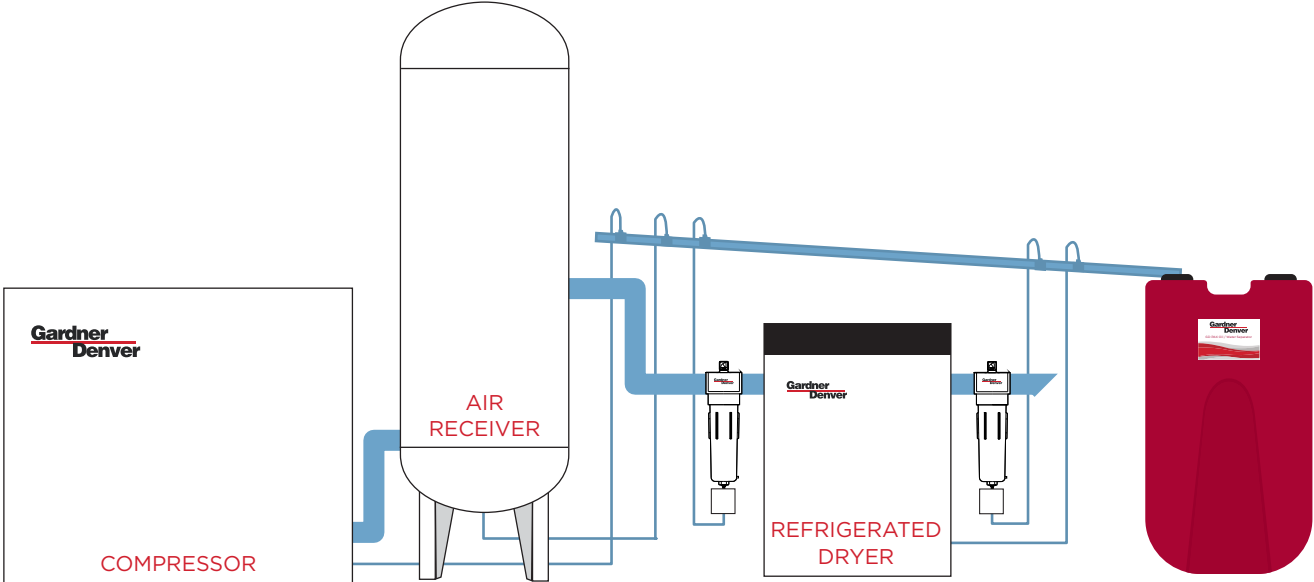
GD PAK Separators come in four different capacities: 7, 25, 40 and 60 gallon. Which unit is right for you is dependent on the size of your operation and the amount of carryover that makes its way into the condensate of your compressed air system. The sizing and life expectancy chart below assumes typical air compressor conditions, but can vary depending on the age and maintenance of your compressor(s).

Life expectancy of a GD PAK unit depends on the amount of lubricant carryover produced by your air compressor(s). Contaminant absorption capacity is approximately half of the media bed volume. Therefore, the 7, 25, 40 and 60 gallon GD PAK units have capacities of about 3, 12.5, 20 and 30 gallons of contaminant respectively.

HORSE POWER	SCFM	GDP-07 HOURS	GDP-25 HOURS	GDP-40 HOURS	GDP-60 HOURS
5	20	50,000	200,000		
10	40	25,000	100,000		
15	75	17,000	75,000		
20	100	12,000	50,000		
25	125	10,000	40,000		
30	150	8,000	30,000		
40	200		24,000		
50	250		20,000	30,000	
60	300		15,000	24,000	
75	375	12,000	20,000	30,000	
100	500	10,000	16,000	24,000	
125	600	8,000	13,000	20,000	
150	750		11,000	17,000	
200	1000		8,000	13,000	
300	1600			8,000	
350	1900				7,000
400	2200				6,000
450	2350				5,600
500	2500				4,800
600	3000				4,000



Typical System Configuration



PRODUCT SPECIFICATIONS

MODEL #	CONDENSATE HANDLED	TOTAL CAPACITY (GALLON)	OIL HANDLING CAPACITY (GAL)	CONDENSATE INLET	OUTLET NPT (IN)	L	W	H	SHIPPING WEIGHT (LBS)	SHIPS FROM
GDP-07	All except silicone*	7	3	4 inlets, 1/4" ea	3/4"	11"	11"	22"	41	Batavia, IL
GDP-25	All except silicone*	25	12.5	6 inlets, 1/4" ea	3/4"	20"	20"	21.75"	200	Batavia, IL
GDP-40	All except silicone*	40	20	6 inlets, 1/4" ea	3/4"	20"	20"	41.75"	330	Batavia, IL
GDP-60	All except silicone*	60	30	6 inlets, 1/4" ea	3/4"	20"	20"	41.75"	470	Batavia, IL

*Consult Gardner Denver for silicone-based lubricants.





Disposal

Once the PAK system is full, disposal couldn't be easier. You can most likely dispose of it through your local waste management service. In the event your local service will not accept the unit, simply call the phone number on your unit to begin the disposal process.

Performance Guarantee

GD PAKs, when properly sized and installed, are guaranteed to reduce the contaminants in your compressor condensate to less than 10 ppm for the life of the unit. In the event a unit fails while operating in approved conditions and having been properly sized and installed, Gardner Denver will replace the failed GD PAK or provide a refund through your authorized Gardner Denver distributor.

Replacement Parts & Accessories



Position	Item	Description	Part #
A	Inlet	HUB, Inlet W Six 1/4" Barbs	B10080
B	Outlet	HUB, Outlet W one 3/4" Barb	B10083
C	Barbs	FTG, 1/4" Brass Hose Barb	A10072
D	Vent foam	Plug, 4" Vent W Foam Insert	B10082
E	Vent Cap	CVR, Vent (Black)	A10232
F	Outlet Hose	Hose, 3/4" x 10' CLR Outlet PVC	B20007
NOT SHOWN	25' Inlet Hose	Hose 1/2" x 25' Inlet CLR PVC	A10071

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by continuously improving all business processes
with a focus on innovation and velocity

Distributed by:-



Air Compressor Energy Systems, Inc.

6735 Brandt St, Romulus, MI 48174

800-242-3449

www.aircompressorenergy.com

Gardner
Denver

Gardner Denver, Inc.

1800 Gardner Expressway

Quincy, IL 62305

866-440-6241

www.gardnerdenverproducts.com



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