

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

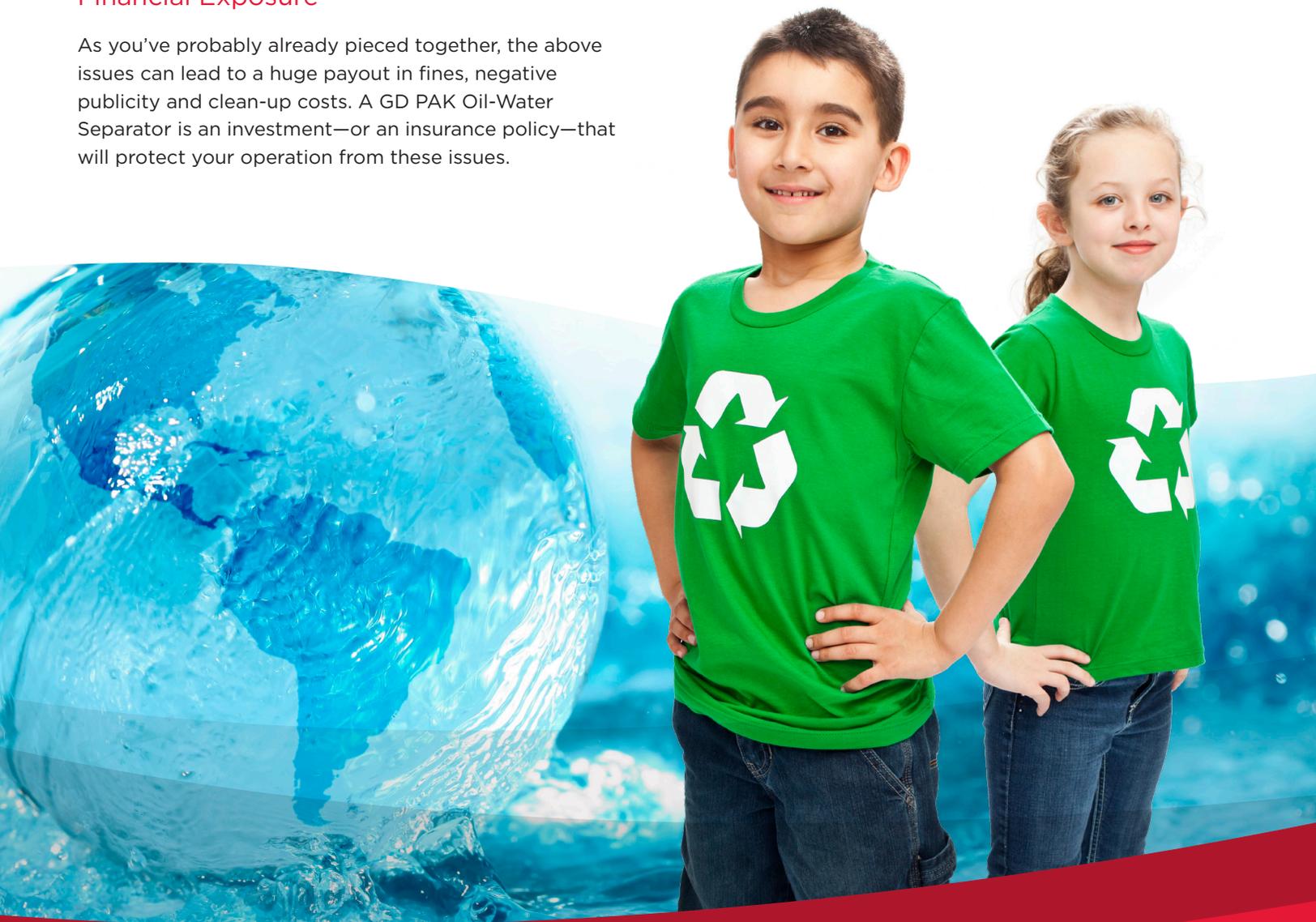
A single 100 HP air compressor can carryover 15 gallons of lubricant per year. Combine that with the fact that a single gallon of lubricant can contaminate 4 acres of groundwater and you start to see the importance of capturing the lubricant before it heads down the drain.

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.

GDP-350



GDP-500, GDP-750
& GDP-1000



GDP-1500 & GDP-2000

GPAK-PLUS Manifold



1 GPAK-PLUS

One time purchase that detaches from GDP base for easy and quick separator replacement.

2 Upgraded Condensate Inlet Hub

Replace red and black caps with push-to-connect fittings (finger tight ONLY) and insert compression lines. 12 ports in total provide enhanced design flexibility.

3 Carbon-filtered Vent

Pressure is decompressed and vented through two replaceable carbon-filled cartridges, removing VOC's and reducing oil mist from the manifold.

4 On-board Timer Drain

Sends a burst of air through the unit every 12 hours to prevent the formulation of sludge, 110 V power required.

5 Antimicrobial Cavity

Insert replaceable antimicrobial pouch to sanitize the discharge hose to mitigate algae growth.

6 Outlet

10 ppm or less of filtered condensate exits to sanitary or floor drain.



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.



Which Unit is Right for My Operation?

Lubricant Type

The Intelli-Pak Oil-Water Separator was designed to handle all of the below fluids in addition to silicone.

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

Sizing Information & Life Expectancy

GD PAK Separators come in three different capacities: 7, 27 and 84 gallon spanning six sizes. 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 six GD PAK units have capacities of about 3, 6, 8, 10, 23 and 28 gallons of contaminant respectively.

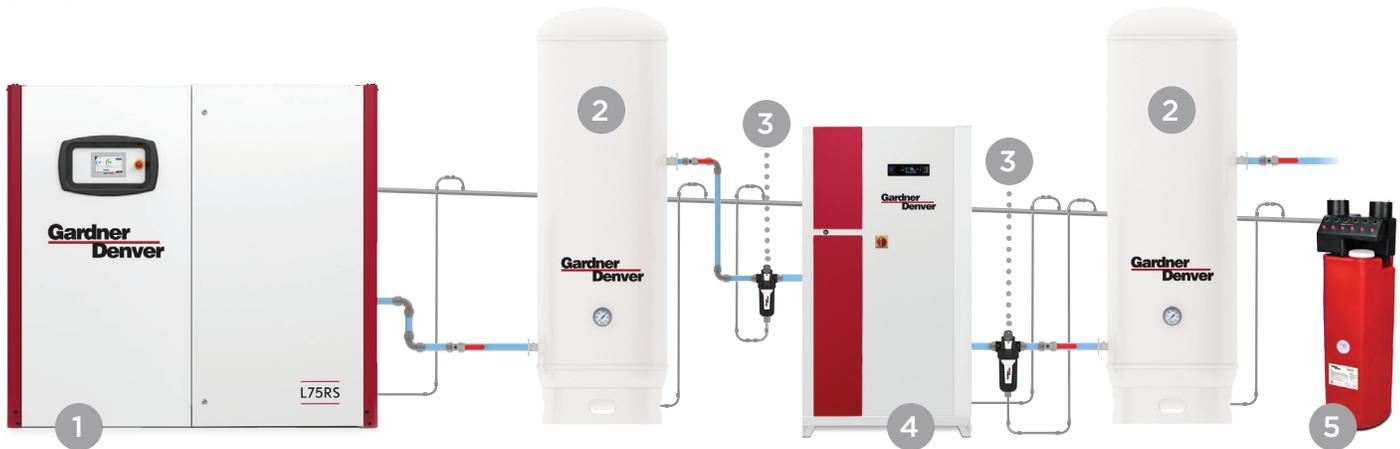
SYSTEM CONDITIONS		GDP MODEL OFFERINGS					
		GDP-350	GDP-500	GDP-750	GDP-1000	GDP-1500	GDP-2000
HORSE POWER	SCFM	LIFESPAN IN MONTHS*					
25	125	19					
30	150	16					
40	200	13	24				
50	250	10	19	24			
60	300	9	16	21			
75	375	8	13	17			
100	500	6	10	13			
125	600		8	11	24		
150	750			8	20	24	30
200	1000				15	18	22
250	1250				12	15	18
300	1600				9	11	14
350	1900				8	10	12
400	2200				8	8	10
450	2350				6		9
500	2500						9
600	2750						8
600	3000						8

*GDP hour ratings based on 2 PPM oil carry over on average. Lifespans vary with unit age, oil consumption and compressor maintenance at a minimum.



Typical System Configuration

- 1 Compressor
- 2 Air Receiver
- 3 Filter
- 4 Refrigerated Dryer
- 5 GD PAK



PRODUCT SPECIFICATIONS

MODEL #	CONDENSATE HANDLED	TOTAL CAPACITY	OIL HANDLING CAPACITY	CONDENSATE INLET	OUTLET NPT	L	W	H	SHIPPING WEIGHT	SHIPS FROM
		GALLON	GALLON	INCHES	INCHES	INCHES			LBS	
GDP-350	All Lubricants	7	3	(6) ¼	¾	11	11	22	41	Batavia, IL
GDP-500		27	6	(6) ½ & (6) ¼	¾	14.5	15.4	49	110	
GDP-750		27	8	(6) ½ & (6) ¼	¾	14.5	15.4	49	125	
GDP-1000		27	10	(6) ½ & (6) ¼	¾	14.5	15.4	49	150	
GDP-1500		84	23	(6) ½ & (6) ¼	¾	20	22	58	310	
GDP-2000		84	28	(6) ½ & (6) ¼	¾	20	22	58	370	

The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

Gardner

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