

***CHAMPION***

OIL-WATER SEPARATORS

# Intelli-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

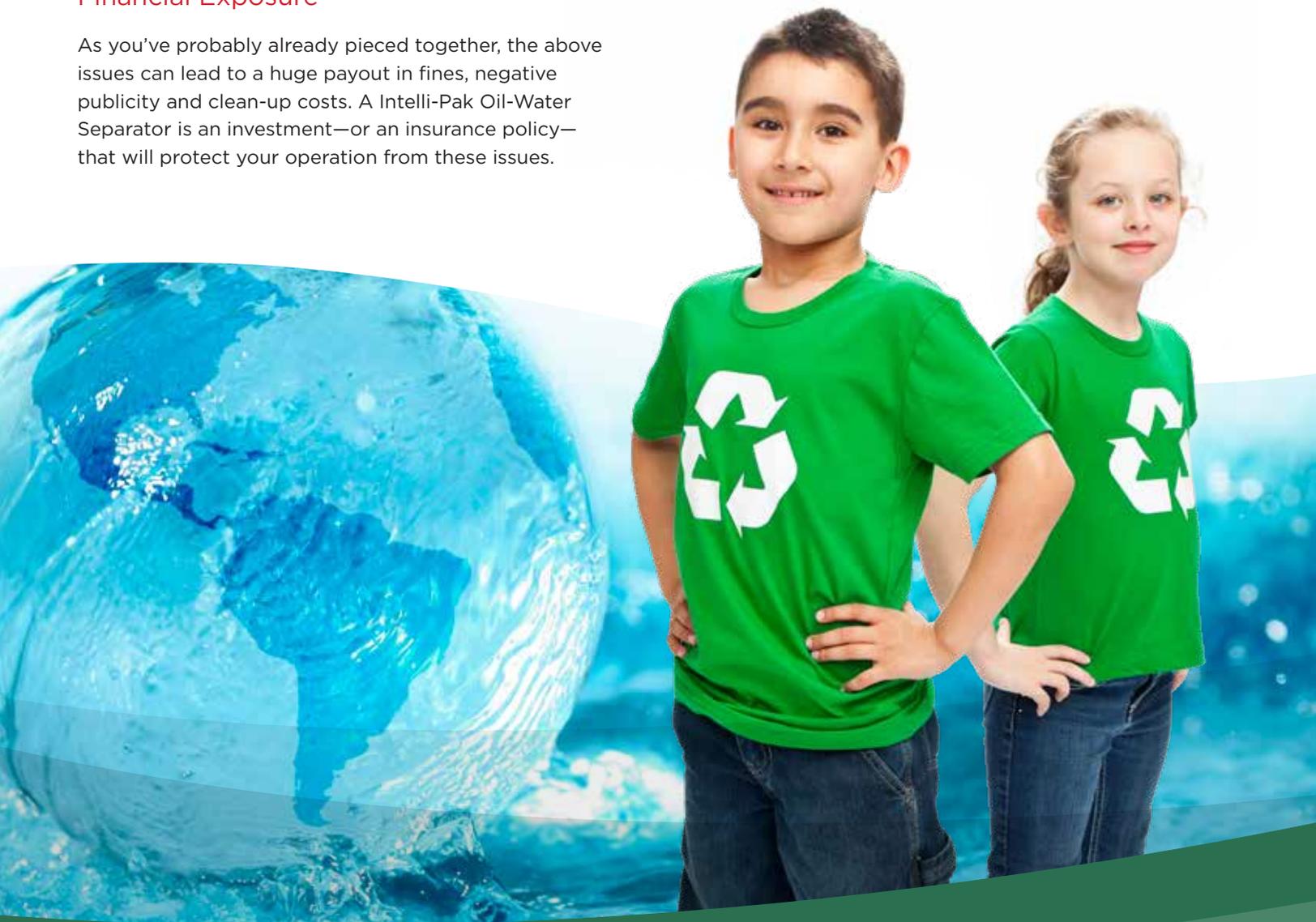
A single 100 HP air compressor can carryover 15 gallons of lubricant per year. Combine that with the fact that a single gallon of lubricant can contaminate 4 acres of groundwater and you start to see the importance of capturing the lubricant before it heads down the drain.

## 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 Intelli-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.



# Intelli-Pak Advantage

The Intelli-Pak System has been engineered to provide the most effective and user-friendly oil-water separator on the market. The proprietary encryption on the replacement cartridge offers aftermarket security unlike any products of its kind in the industry.

## The Science Behind the Media

The alumina silicate substrate media included within the Intelli-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 the possibility of the used media being able to contaminate ground water at any point in the future.

## Maintenance & Clean-Up

The cabinet opens to a cartridge utilizing smart technology connections. Once disconnected the

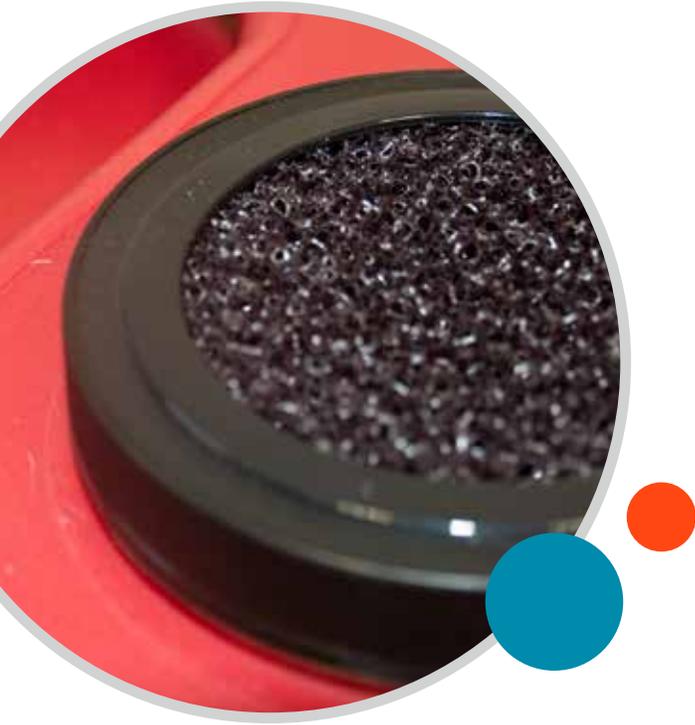
internal valves close allowing for a quick and mess free replacement. When the cartridge is full, simply dispose of the cartridge in accordance with local regulations. A recycling program is also available for spent units that are registered. A RMA request form is located at [www.recycleoilsep.com](http://www.recycleoilsep.com) registered units receive a free recycling process less the cost of shipping.

## A Beautifully Simple Design

Unlike some of the alternative oil-water separators on the market, Intelli-Pak units have no need for expensive pumps, sensors or pre-separation filters. The media bed does an effective job eliminating the need for pre-filtration. In addition to the proprietary media, rugged internal piping assures proper operation over the life of the unit. Additionally the design of the Intelli-Pak cabinet offers a internal diffusing system allowing pressurized drain lines from the compressed air system to be plumbed directly into the unit eliminating the need for customized manifolds to be fabricated in the field.



# 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.

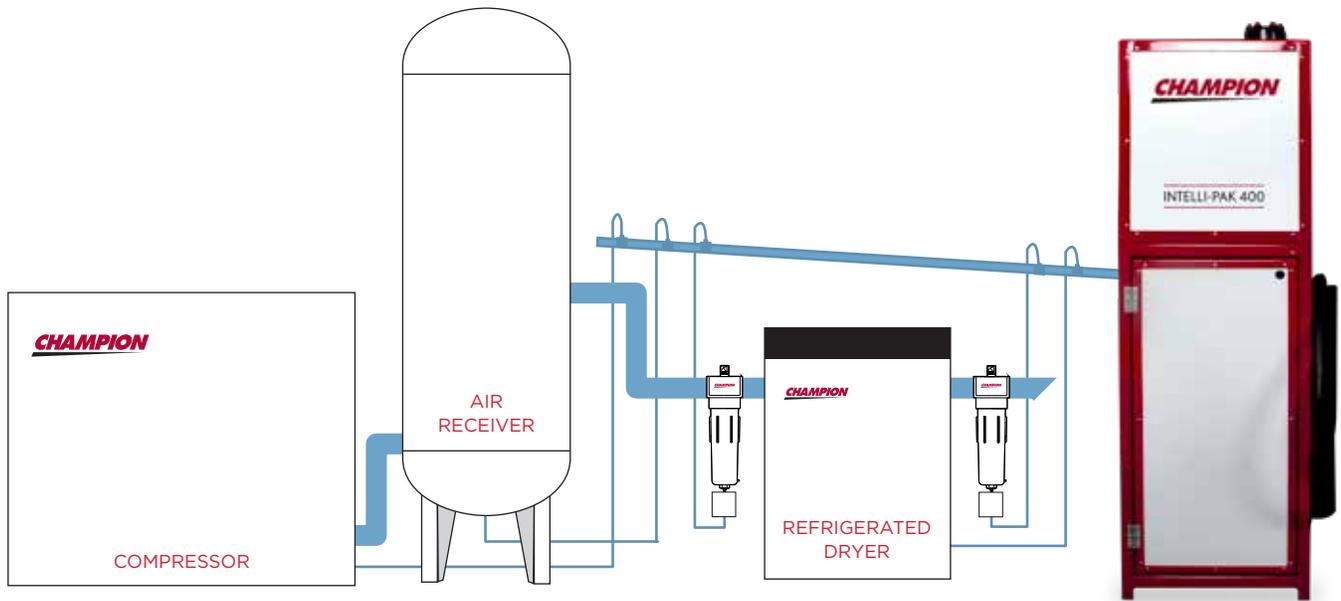
- Diester-based lubricants
- PAO-based lubricants
- Glycol-based lubricants
- Hydraulic lubricants
- Food grade lubricant
- Mineral-based lubricant

## Sizing Information & Life Expectancy

Intelli-Pak Separators come in five different capacities: 250 cfm, 400 cfm, 750 cfm, 1000 cfm and 1500 cfm. Which unit is right for you is dependent on the amount of flow of your compressed air system. The sizing is based upon the cfm flow in your compressed air system.

Life expectancy of the Intelli-PAK has been designed to have a product life span of 6 months of continuous use.

# Typical System Configuration



## PRODUCT SPECIFICATIONS

| CONFIGURATION                   | WALL              | FLOOR             | FLOOR             | FLOOR              | DOUBLE FLOOR       |
|---------------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| MODEL #                         | INTELLI-PAK250-CP | INTELLI-PAK400-CP | INTELLI-PAK750-CP | INTELLI-PAK1000-CP | INTELLI-PAK1500-CP |
| CHAMPION PART #                 | IP250-CP          | IP400-CP          | IP750-CP          | IP1000-CP          | IP1500-CP          |
| CONDENSATE HANDLED              | ALL               |                   |                   |                    |                    |
| TOTAL CAPACITY (GAL)            | 7                 | 7                 | 7                 | 7                  | 14                 |
| OIL HANDLING CAPACITY (6 MONTH) | 1.25              | 2                 | 3.75              | 5                  | 7.5                |
| CONDENSATE INLET                | 6 INLETS, 1/4" ea |                   |                   |                    |                    |
| OUTLET NPT (IN)                 | 3/4               |                   |                   |                    |                    |
| DIMENSIONS L x W x H (IN)       | 15 x 15 x 49      |                   |                   |                    |                    |
| SHIPPING WEIGHT (LBS)           | 70                | 100               | 110               | 120                | 160                |
| SHIPS FROM                      | BATAVIA, IL       |                   |                   |                    |                    |





## Disposal

Once the Intelli-Pak cartridge is full, disposal couldn't be easier. You can dispose of it through your local waste management service or there is a recycling option for registered units. The RMA request form is located at [www.recycleoilsep.com](http://www.recycleoilsep.com) the recycle process fee is sponsored by the manufacturer for all registered units. The only end user cost requirement is for freight back to the recycle center. Plugs and caps ship with each unit allow for non-hazardous waste shipping.

## Performance Guarantee

Intelli-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, Champion will replace the failed Intelli-Pak cartridge or provide a refund through your authorized Champion distributor.

# Replacement Parts & Accessories



| POSITION     | ITEM     | DESCRIPTION                  | PART # |
|--------------|----------|------------------------------|--------|
| A            | OUTLET   | OUTLET HOSE ASSEMBLY         | B20041 |
| B            | INLET    | INLET HUB FOR CABINET SYSTEM | B21000 |
| C            | CABINET  | DOOR REPLACEMENT ASSEMBLY    | B21006 |
| NOT PICTURED | FILL KIT | FILL KIT FOR CARTRIDGES      | B21005 |

Champion is committed to  
delivering **superior products** built with  
the **exceptional standards** you expect.

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 Please recycle after use.