

ENVIROCHAMP2

CSP SERIES

OIL/WATER SEPARATORS



**INNOVATIVE DESIGN.**  
**SUPERIOR PERFORMANCE.**



**CHAMPION**

Compressed air is discharged at elevated temperatures in a saturated condition. Any cooling which takes place through aftercoolers, dryers, or pipelines cause the water vapor to condense into a liquid form, which then mixes with any oil carryover of a machine. This contaminated condensate cannot be disposed of into sewer systems, or onto the ground, without being properly treated.

The Champion EnviroChamp2 has been designed as an effective and reliable means of treating lubricant contaminated compressor condensate, and when properly maintained will consistently have discharge water with <15 ppm of oil remaining.

Remember: not all lubricants are created equal. Even lubricants of the same base stock perform differently, depending upon the additives used. This becomes especially important when trying to separate lubricant from condensed water in a compressed air system.



Champion's highly demulsible RotorLub lubricants enhance overall system performance - from compressor operation to condensate disposal.

MODEL	MAX CFM CAPACITY	
	90°F/90%RH	70°F/70%RH
CSP15	150	357
CSP30	300	714
CSP60	600	1428

Ratings based on rotary screw air compressor operating on RotorLub 8000. Ratings may be increased by 25% if a refrigerated air dryer is not used. Please consult your Champion distributor for proper sizing when using other types of lubricants or compressors. EnviroChamp2 is not recommended for use with emulsifying lubricant such as Polyglycol, ATF, or Motor Oil lubricants with heavy additive packages.

## FEATURES & BENEFITS

- ◆ **Designed & Rated for Real Life Summertime Conditions** – 90°F 90% RH
- ◆ **Reduced Maintenance** – 40% longer service life than most competitive units
- ◆ **Suspended Carbon Bed Handles** – (CSP30 & CSP60) for easy carbon changeout
- ◆ **Pop Up Indicator** – Stores evidence of restricted flow conditions until manually reset
- ◆ **Unique Pre-Absorption Filter** – Breaks contaminate formed emulsions

## ACCESSORIES

- ◆ **Distributor** – Used to collect and evenly distribute flow into multiple units; also recommended for use with high capacity demand drains to protect EnviroChamp2 from large condensate surges
- ◆ **Remote Flow Indicator** – For remote alarming of a reduced flow condition
- ◆ **Level Minder** – Remote indication of when oil container needs replacement
- ◆ **Heater** – For use when ambient temperatures are subject to freezing



# EnviroChamp<sup>2</sup>

**Inlet Diffuser** rotates at 90° intervals & has 3 condensate inlets for maximum installation flexibility

**Sample Test Jars (2)** for a quick visual check of water-out vs. standard tap water; if the water out is cloudy, carbon needs replacement

**Suspended Carbon Bed** handles (CSP30/60) assist in carbon replacement

**Pre-Absorption Chamber** Unique material breaks contaminate formed emulsions, allowing for more efficient separation

**Separation Filter** coalesces small oil droplets into larger ones allowing them to float freely on the surface

**Pop-Up Flow Indicator** identifies restricted flow condition; stays up until manually reset

**Oil Outlet Tube** is fully adjustable to precisely set the depth of the lubricant level for optimum performance

**Sediment Chamber** collects rust & scale, avoiding carbon fouling; removable chamber for easy cleaning

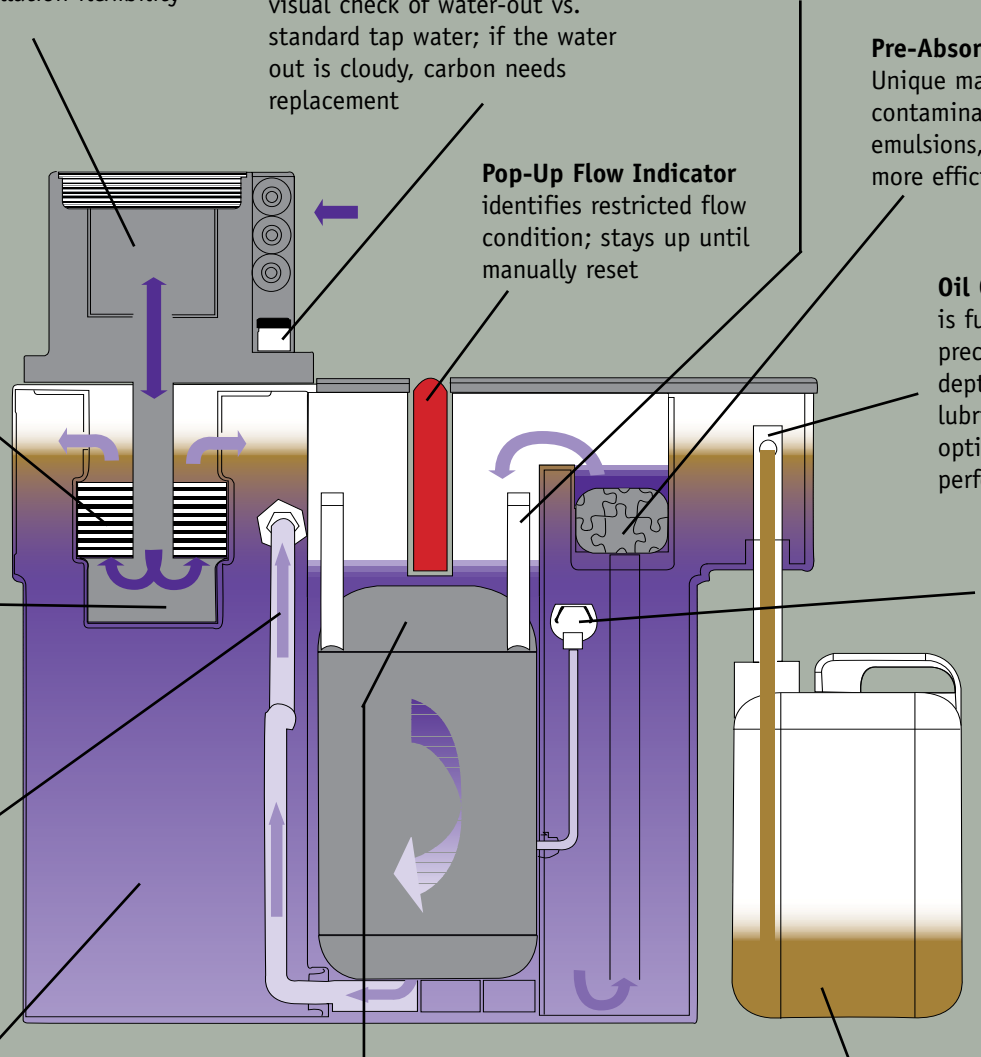
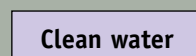
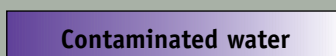
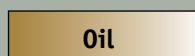
**Sample Valve** is conveniently located and samples condensate from 2/3 into the carbon depth - allows time to re-order carbon replacement, while remaining within the legal limit

**Water Outlet Port** located in back of unit to easily pipe into drain

**Large Vessel** for maximum residence time

**Wider Carbon Bed** with up to 40% more carbon provides extended service intervals and improved performance in hot, humid summertime conditions

**Translucent Oil Container** comes standard and allows for easy oil disposal



## Maintenance Kits

Convenient Pre-Packaged Filter Kits include Expansion Chamber Elements, Separation Filters, Pre-Absorption Filters, and Carbon Beds. Needed for routine maintenance.

MODEL #	MAINTENANCE KIT P/N
CSP15	M3537
CSP30	M3538
CSP60	M3539

## Recommended Accessories

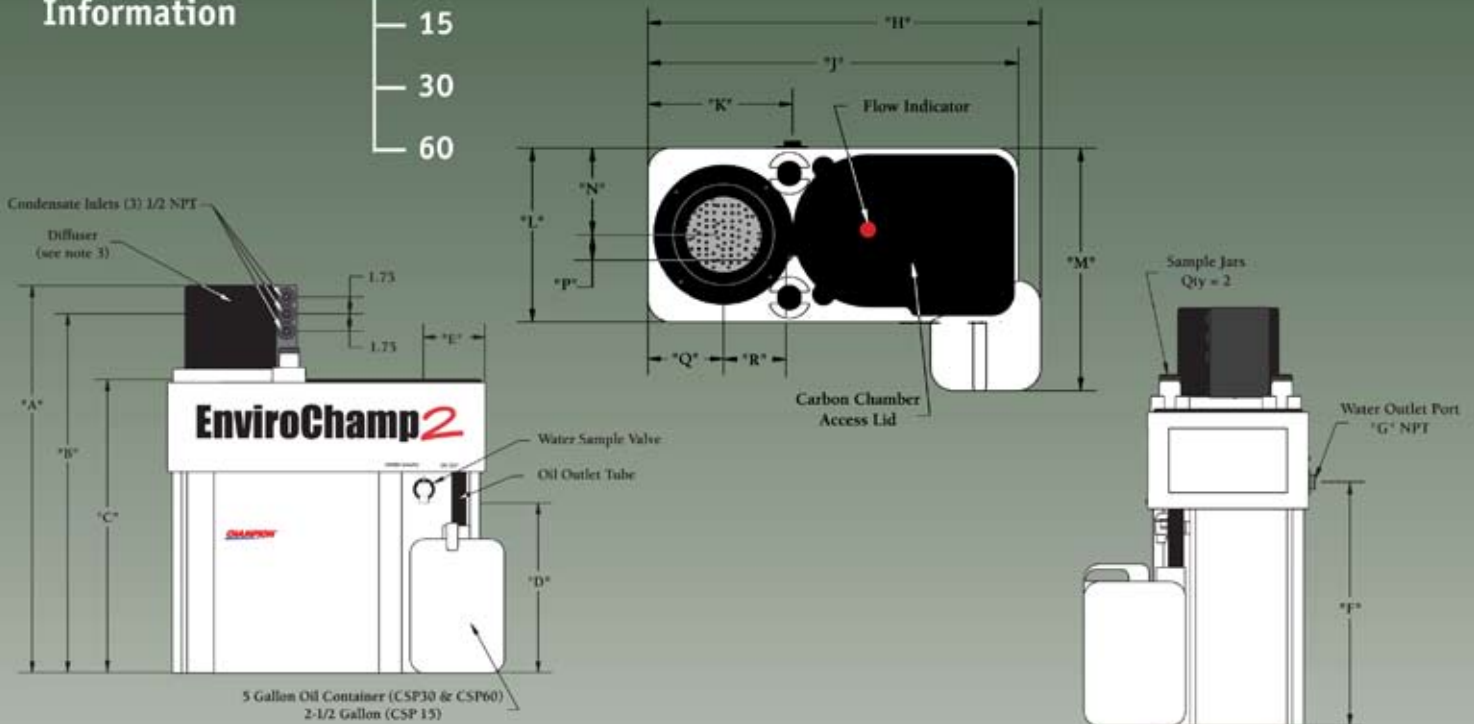
DESCRIPTION	PART #
Distributor - Condensate Management System	M3550
Remote Flow Indicator	M3551
CSP15 Level Minder Oil Container Alarm System	M3552
CSP30/60 Level Minder Oil Container Alarm System	M3553
.5 KW Heater for CSP15	M3554
1 KW Heater for CSP30/60	M3555

## Ordering Information

CSP



15  
30  
60



## DIMENSIONAL SYMBOL

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
CSP15	29.75	27.00	20.75	11.25	5.25	16.00	.75	26.50	26.00	9.00	14.00	19.50	4.50	2.75	4.50	4.00
CSP30	39.00	36.25	29.75	17.00	6.25	22.75	.75	34.00	32.00	12.50	15.00	21.00	7.50	3.50	6.50	5.25
CSP60	39.00	36.25	29.75	17.00	5.25	23.00	1.00	35.00	32.00	22.00	26.50	30.75	6.00	3.50	13.50	5.25

**NOTES** Note 1: All dimensions are in inches, Note 2: Tolerances - all dimensions are +/- .50 unless otherwise shown,

Note 3: Diffuser is rotatable in 90 degree increments

WEIGHT IN POUNDS	CSP15	CSP30	CSP60
	53	77	120

# CHAMPION®

1301 North Euclid Avenue  
Princeton, Illinois 61356 USA  
Phone 888/436-5499  
Fax 815/872-0421  
E-mail: [Champion@championpneumatic.com](mailto:Champion@championpneumatic.com)  
[www.championpneumatic.com](http://www.championpneumatic.com)