

# Ingersoll Rand

*PolySep Oil Water Separators*



*Innovation*

*Reliability*

*Efficiency*

# PolySep, The Responsible Choice

Ingersoll Rand

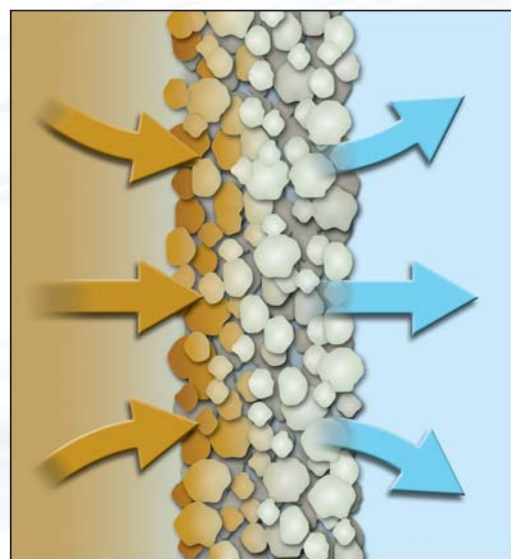
Environmentally sound, reliable and easy to maintain, PolySep Oil Water Separators **remove the broadest range of coolants** from compressor condensate.

## Staying Clean by Going Green

Compressor systems produce large amounts of condensate. This condensate contains lubricant contaminants that should be disposed of properly. Ingersoll Rand PolySep Oil Water Separators can help your company be strong stewards of the environment while reducing your annual waste removal costs. When properly installed and sized correctly, the PolySep separators are capable of providing condensate discharge levels as low as 15 mg/l. Our separators feature non-corrosive materials and do not require electrical power for operation, further reducing environmental burdens. You can count on PolySep Oil Water Separators to get you... and keep you...green.

## Advanced Media Separation Technology

The key to the PolySep Oil Water Separators' unrivaled performance is our unique, chemically-coated Zeolite adsorption media. This proprietary filtration media effectively separates and permanently adsorbs virtually all lubricants, including highly emulsified lubricants like polyglycols, the most difficult lubricants to separate. Competitive systems simply can't handle polyglycols without requiring expensive, oversized separators. From mineral oils, PAOs and polyolesters to diesters and polyglycols, the PolySep Oil Water Separator provides the broadest range of performance and efficiency.



The chemically-coated Zeolite filter media permanently adsorbs the broadest range of contaminants, such as oil or other coolants, while letting clean water pass.

## Simple and Reliable Operation

Built on a tradition of dependability, the PolySep family of separators uses a simple yet effective design. With few moving parts, maintenance is minimal and virtually downtime-free! The easy to remove modules make replacement simple, and only need to be replaced once a year or after 4,000 hours of operation for optimal performance. Larger systems also include a flow divider that automatically manages condensate volume for multiple units.

Progress is  greener with Ingersoll Rand

# PolySep...sized for every application



Model	Compressor Capacity													
	Screw Compressors										Reciprocating Compressors			
	Polyglycol		Mineral Oil		Synthetic Oil		PAO		Ester		Mineral Oil		Diester	
	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min
PSG-7	60	2	60	2	60	2	60	2	60	2	60	2	60	2
	60	2	60	2	60	2	60	2	60	2	60	2	60	2
	60	2	60	2	60	2	60	2	60	2	60	2	60	2
PSG-15	175	5	850	24	640	18	850	24	640	18	425	12	361	10
	175	5	450	13	340	10	450	13	340	10	225	6	191	5
	175	5	290	8	215	6	290	8	215	6	145	4	123	3
PSG-30	390	11	1,700	48	1,275	36	1,700	48	1,275	36	850	24	723	20
	390	11	900	25	685	19	900	25	685	19	450	13	383	11
	390	11	575	16	430	12	575	16	430	12	288	8	244	7
PSG-60	750	21	3,400	96	2,550	72	3,400	96	2,550	72	1,700	48	1,445	41
	750	21	1,800	51	1,370	39	1,800	51	1,370	39	900	25	765	22
	750	21	1,150	33	860	24	1,150	33	860	24	575	16	489	14
PSG-90	950	27	5,100	144	3,825	108	5,100	144	3,825	108	2,550	72	2,168	61
	950	27	2,700	76	2,050	58	2,700	76	2,050	58	1,350	38	1,148	32
	950	27	1,725	49	1,300	37	1,725	49	1,300	37	863	24	733	21
PSGK-120 not shown	1,500	42	6,800	193	5,100	144	6,800	193	5,100	144	3,400	96	2,890	82
	1,500	42	3,600	102	2,740	78	3,600	102	2,740	78	1,800	51	1,530	43
	1,500	42	2,300	65	1,725	49	2,300	65	1,725	49	1,150	33	978	28
PSGK-180 not shown	1,900	54	10,200	289	7,650	217	10,200	289	7,650	217	5,100	144	4,335	123
	1,900	54	5,400	153	4,100	116	5,400	153	4,100	116	2,700	76	2,295	65
	1,900	54	3,450	98	2,600	74	3,450	98	2,600	74	1,725	49	1,466	42

  Cold Climate: 60°F (16°C), 60% RH    
   Mild Climate: 80°F (27°C), 60% RH    
   Hot Climate: 90°F (32°C), 70% RH

Select product size based on worst case ambient conditions for the location.

Specifications													
Model	CCN Number	Replacement Module CCN	Inlet NPT in (mm)		Outlet NPT in (mm)		Max Water Flow gal/hr (l/h)		Max Water Volume gal (l)		Max Absorbed Lubricant lb (kgs)		Dimensions in (mm)
PSG-7	38456992	38457008	0.5	12.7	0.5	12.7	0.55	1.9	1.0	3.8	3.0	1.4	20.75 H x 11.5 dia. 527.05 H x 292.1 dia.
PSG-15	38339040	38339057	0.5	12.7	0.8	19.1	3.1	11.7	15.0	56.8	11.0	5.0	26.5 W x 19 L x 30 H 673.1 W x 482.6 L x 762 H
PSG-30	38465605	38465712	0.5	12.7	0.8	19.1	6.9	23.5	30.0	113.6	21.0	9.5	34 W x 21 L x 39 H 863.6 W x 533.4 L x 990.6 H
PSG-60	38465621	38465761	0.5	12.7	0.8	19.1	12.4	46.9	60.0	227.1	43.0	19.5	35 W x 31 L x 39 H 889 W x 787.4 L x 990.6 H
PSG-90	38465639	38469052	0.5	12.7	0.8	19.1	18.6	70.4	90.0	340.7	64.0	29.0	35 W x 31 L x 45 H 889 W x 787.4 L x 1143 H
PSGK-120	38465647	38465761	0.5	12.7	0.8	19.1	24.8	93.9	120.0	454.3	85.0	38.6	72 W x 31 L x 39 H 1828.8 W x 787.4 L x 990.6 H
PSGK-180	38465654	38469052	0.5	12.7	0.8	19.1	37.2	140.8	180.0	681.4	128.0	58.1	72 W x 31 L x 45 H 1828.8 W x 787.4 L x 1143 H

Prefilter is built in; ratings are based on 4 ppm oil carryover; filter life based on 4,000 operating hours per year, one filter change.



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