



*PolySep Oil Water Separators*

*Innovation*

*Reliability*

*Efficiency*



# PolySep, the Responsible Choice

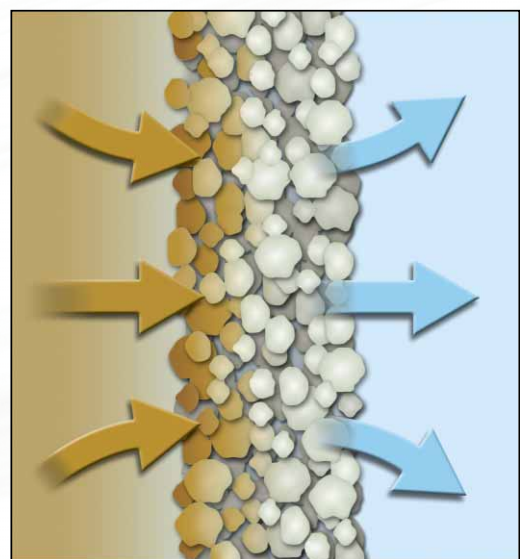
Environmentally sound, reliable and easy to maintain, PolySep Oil Water Separators **remove the broadest range of coolants** from compressor condensate.

## 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, specially-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 specially-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



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

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

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

Specifications												
Model	CPN	Replacement Module CPN	Inlet NPT (mm)	Outlet NPT (mm)	Maximum Water Flow (Litres/hr)	Maximum Water Volume (Litres)	Max Absorbed Lubricant (kg)	Width	Length	Height	Diameter	
PSG-7	38456992	38457008	13	13	2	4	1	-	-	527	292	
PSG-15	38339040	38339057	13	19	12	57	5	673	483	762	-	
PSG-30	38465605	38465712	13	19	24	114	10	864	533	991	-	
PSG-60	38465621	38465761	13	19	47	227	20	890	787	991	-	
PSG-90	38465639	38469052	13	19	70	341	29	890	787	1143	-	
PSGK-120	38465647	38465761	13	19	94	454	39	1829	787	991	-	
PSGK-180	38465654	38469052	13	19	141	681	58	1829	787	1143	-	

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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