



domnick hunter

ES2000 Series Oil/Water Separators

Model	Connections		Settlement Tank Capacity (L)	Max. Pressure	Min./Max. Temperature	Material (Re-cyclable)	Weight	
	Inlet	Outlet					Empty	Full
ES2100	19mm (3/4") I.D. hose	19mm (3/4") I.D. hose	N/A	16 bar g (232 psi g)	5°C to 35°C 41°F to 95°F	Polyethylene	6 Kg 13 lbs	24.5 Kg 54 lbs
ES2150	19mm (3/4") I.D. hose	25mm (1") I.D. hose	60 L (16 US G)	16 bar g (232 psi g)	5°C to 35°C 41°F to 95°F	Polyethylene	10 Kg 22 lbs	78.5 Kg (172.7) lbs
ES2200	19mm (3/4") I.D. hose	19mm (3/4") I.D. hose	75 L (20 US G)	16 bar g (232 psi g)	5°C to 35°C 41°F to 95°F	Polyethylene	12 Kg 26 lbs	93.5 Kg 206 lbs

Product Selection

All **domnick hunter** condensate drains & oil/water separators are sized based upon the maximum condensate volume produced at a given set of ambient conditions. Should the conditions differ from those shown below, please contact the our Technical Sales Department for correct model selection.

Ambient Temperature at Compressor Inlet:
25°C (77°F)

Relative Humidity at Compressor Inlet:
65%

Compressor Discharge Temperature:
35°C (95°F)

System Pressure:
7 bar g (102 psi g)

Refrigeration Dryer Dewpoint:
2°C (36°F)

No Refrigeration Dryer Installed in System		Oil Type								
		Band A – Turbine, Additive Free			Band B – Mineral, PAO, TMP, PE			Band C – Diesters, Triesters, PAG		
Compressor Type	Model	m³/min	m³/hr	cfm	m³/min	m³/hr	cfm	m³/min	m³/hr	cfm
Rotary Screw, Vane	ES2100	1.2	74	43	1.0	62	36	0.9	51	30
	ES2150	3.5	211	124	3.0	179	106	2.4	146	86
	ES2200	5.4	325	191	4.6	276	162	3.7	224	132

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		Band A – Turbine, Additive Free			Band B – Mineral, PAO, TMP, PE			Band C – Diesters, Triesters, PAG		
Compressor Type	Model	m³/min	m³/hr	cfm	m³/min	m³/hr	cfm	m³/min	m³/hr	cfm
Rotary Screw, Vane	ES2100	0.9	55	33	0.8	46	27	0.6	38	22
	ES2150	2.6	158	93	2.2	134	79	1.8	109	64
	ES2200	4.1	243	143	3.4	207	122	2.8	168	99

IMPORTANT NOTE

The performance of the oil/water separator and the economic service life of the activated carbon is dependent upon the degree of oil dispersion and emulsification of the incoming condensate. The frequency of activated carbon pack changes will therefore depend upon the following factors.

Compressor type and capacity, lubricant used, condensate drainage method, ambient temperature, relative humidity, pressure and condensate drainage method. Static oil/water separators of this type will not totally separate oils that are soluble in water.

For stable emulsions, use the **domnick hunter** EMS range of Membrane Emulsion Separators.



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[ES2100](#)
[ES2150](#)
[ES2200](#)



Replacement Carbon Pack



[ESMK1](#)



Vent Filter



[ESVF1](#)