



HS SERIES

OIL WATER

SEPARATOR

The Hankison HS Series of Oil-Water Separators provides Quality Condensate Management



HS1



HS2

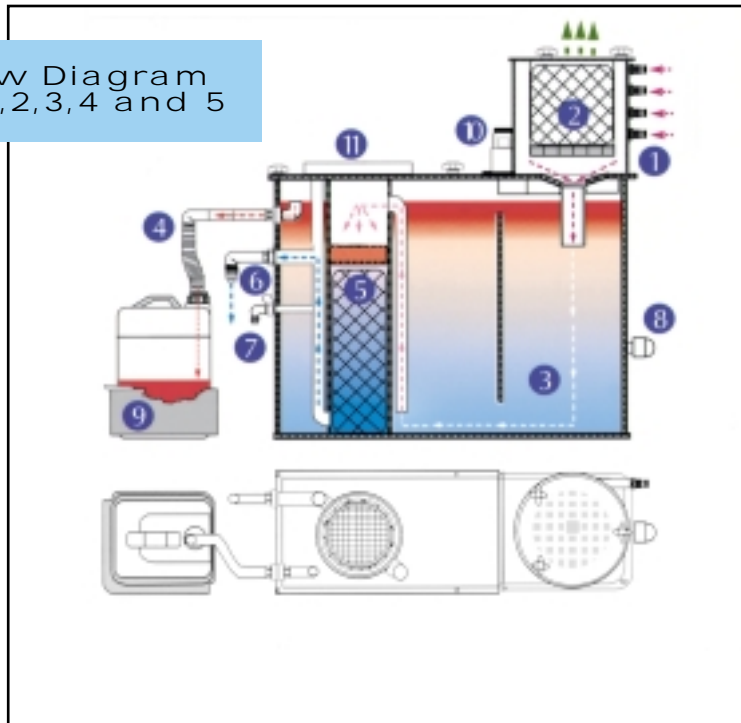


HS3-6



HS7

Flow Diagram
HS 1,2,3,4 and 5



Condensate Management

Water and oil condensate exists wherever compressed air is used. Depending upon compressor capacities, working and installation conditions, the volume of condensate which exists in a compressed air system can range in between 3 and 2,640 gallons per month. For example, a installation, which delivers 180 scfm of compressed air at 100 psi and is working 8 hours a day under atmospheric conditions of 70°F, 15 psi and 70% relative humidity, generates 8 gallons of condensate per day.

Legislation requires that oil condensate be separated from water condensate and disposed of properly. After the oil is separated, the water condensate can then be sent to the sewer system. Legal requirements vary from place to place as to the minimum acceptable oil content. The HS Series, when sized and installed correctly, meets most legal requirements by providing a residual oil content level in the condensate of 10 ppm.

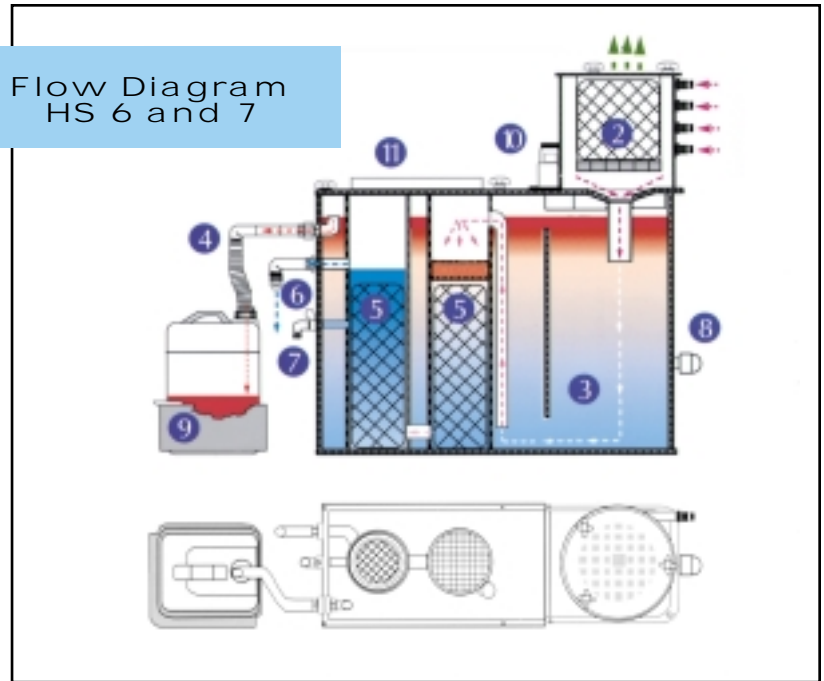
Economic, Automatic, and Convenient

The HS Series automatically separates the oil from the water. All you have to do is connect your condensate discharge lines to any of the four 1/2" inch connections and walk away. The capital investment required represents a small fraction of the cost which contracting a licensed condensate disposal contractor would represent. An easy-to-use Test-set is provided to check water purity and to know when to change the filtration elements. A convenient oil-collection vessel with over-flow safeguard collects the oil for safe disposal.

7 Models for Compressor Capacities of up to 2,120 scfm

- 1. Condensate feed possible both under pressure and gravity-fed**
Four standard 1/2" connections are available for connections from the compressor, the dryer, filters, and other condensate lines.
- 2. Air expansion chamber with activated carbon filter for exhaust air**
This chamber enables the settling chamber to have a calm surface by depressurizing and slowing the inlet air and condensate. The activated carbon element eliminates oil from the exhaust air.
- 3. Settling and Flotation Chamber**
Oil floats to the top of this condensate settling chamber and is mechanically separated.
- 4. Oil Discharge**
The oil discharge connection is adjustable.
- 5. Filtration**
Pre-filter: The water prefilter made of knitted plastic fiber filters out large oil droplets and extends the life of the activated carbon filter.
Activated Carbon Filter: The element filters all the remaining oil droplets and guarantees the performance of the separator.
- 6. Water Discharge**
The purified water condensate containing less than 10 ppm can be discharged directly into the sewer system.
- 7. Test Valve**
The test valve allows easy access to take discharge water samples.

Flow Diagram HS 6 and 7



- 8. Optional Heating Equipment**
Thermostatically controlled heaters are available for outdoor installation.
- 9. Oil-Collection Vessel with Over-flow Safeguard**
- 10. Test-Set with Check-Glass and Oil Test Paper**
See Check- and Maintenance Book for easy-to-follow test instructions.
- 11. Document Compartment**
A convenient compartment to place the instruction manual and maintenance book is located on the top of the equipment.

Product Features:

- Four 1/2" inlet connections
- Activated carbon filters for exhaust air and condensate filtration
- Extra capacity in the settling chamber
- Integrated oil collection vessel with overflow protection
- Test-set with check-glass and oil test paper
- Convenient document compartment

Technical Data

Model	Air Flow capacity (scfm)	Container Volume (gal)	Dimensions in (mm)			Weight lb (kg)	Maintenance Kit (1)	
			Height (A)	Width (B)	Depth		Model	Weight lb (kg)
HS1	70	6	26 (650)	17 (430)	13 (325)	22 (10)	HSMK-1	4.4
HS2	105	10	36 (908)	17 (437)	13 (325)	33 (15)	HSMK-2	8.4
HS3	175	20	38 (965)	24 (600)	15 (380)	49 (22)	HSMK-3	8.4
HS4	280	30	38 (965)	24 (620)	20 (520)	55 (25)	HSMK-4	8.4
HS5	530	40	46 (1160)	24 (620)	20 (520)	62 (28)	HSMK-5	8.4
HS6	1,060	60	46 (1160)	33 (850)	20 (520)	121 (55)	HSMK-6	16.8
HS7	2,120	210	57 (1450)	51 (1300)	39 (1000)	198 (90)	HSMK-7	33.5

* Capacity valid for screw compressors using non emulsified oil

Dimensions and weights are for reference only. Request certified drawings for construction purposes.

(1) All kits contain an activated carbon water filter, activated carbon air filter, and if required a prefilter.

	HS1 - HS6	HS7
Water Outlet Connection	1"	2"
Condensate Inlet	4 x 1/2"	4 x 1/2"
Oil Outlet Connection	1"	2"
Heating - Capacity (kW) optional	1 x 1.5	2 x 1.5
Electrical Connection optional	230/1/50	2 x 230/1/50

Kit Model	Description
HSMK-1	1 Activated Carbon Water Filter and 1 Activated Carbon Air Filter
HSMK-2	1 Activated Carbon Water Filters and 1 Activated Carbon Air Filter
HSMK-3	1 Activated Carbon Water Filters and 1 Activated Carbon Air Filter
HSMK-4	1 Activated Carbon Water Filters and 1 Activated Carbon Air Filter
HSMK-5	1 Activated Carbon Water Filters, 1 Activated Carbon Air Filter, and 1 Prefilter
HSMK-6	2 Activated Carbon Water Filters, 1 Activated Carbon Air Filter, and 1 Prefilter
HSMK-7	4 Activated Carbon Water Filters, 1 Activated Carbon Air Filter, and 2 Prefilters

Rated Flows (scfm)

	Screw Compressors						
	HS1	HS2	HS3	HS4	HS5	HS6	HS7
Turbine Oil*	70	105	175	280	530	1060	2120
Mineral-Rotary Oil	50	70	90	140	280	530	1410
Mineral-Piston Oil	50	70	130	210	355	780	1770
Synthetic Oil**	50	105	130	140	280	530	1060

	Oil-Flooded Rotary Vanes						
	HS1	HS2	HS3	HS4	HS5	HS6	HS7
Turbine Oil*	70	105	175	280	355	885	1770
Mineral-Rotary Oil	40	70	90	140	280	530	1410
Mineral-Piston Oil	40	80	130	210	355	530	1410
Synthetic Oil**	50	70	130	140	280	425	885

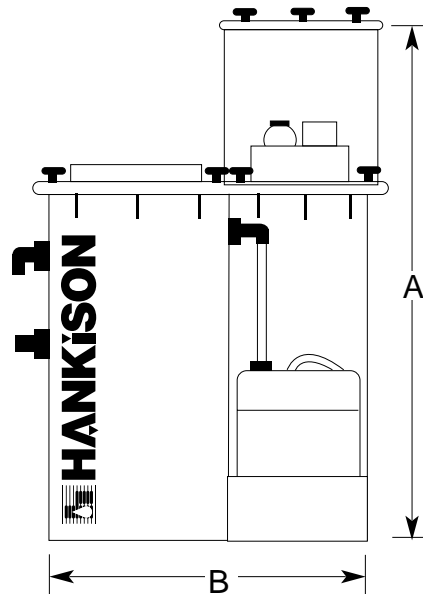
	1&2 Stage Piston Compressors						
	HS1	HS2	HS3	HS4	HS5	HS6	HS7
Turbine Oil*	70	45	90	105	180	350	710
Mineral-Rotary Oil	-	-	-	-	-	-	-
Mineral-Piston Oil	70	45	90	140	280	430	710
Synthetic Oil**	70	45	90	140	280	430	710

The above capacities are maximum rated flows.

* Use the line for new screw and vane installations

** Use for piston installations

Dimensions



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MEETING GLOBAL STANDARDS

