

# LAKOS Desanders

Proven superior for the demanding filtration requirements of the petroleum industry.

# EPP

## Primary Filtration

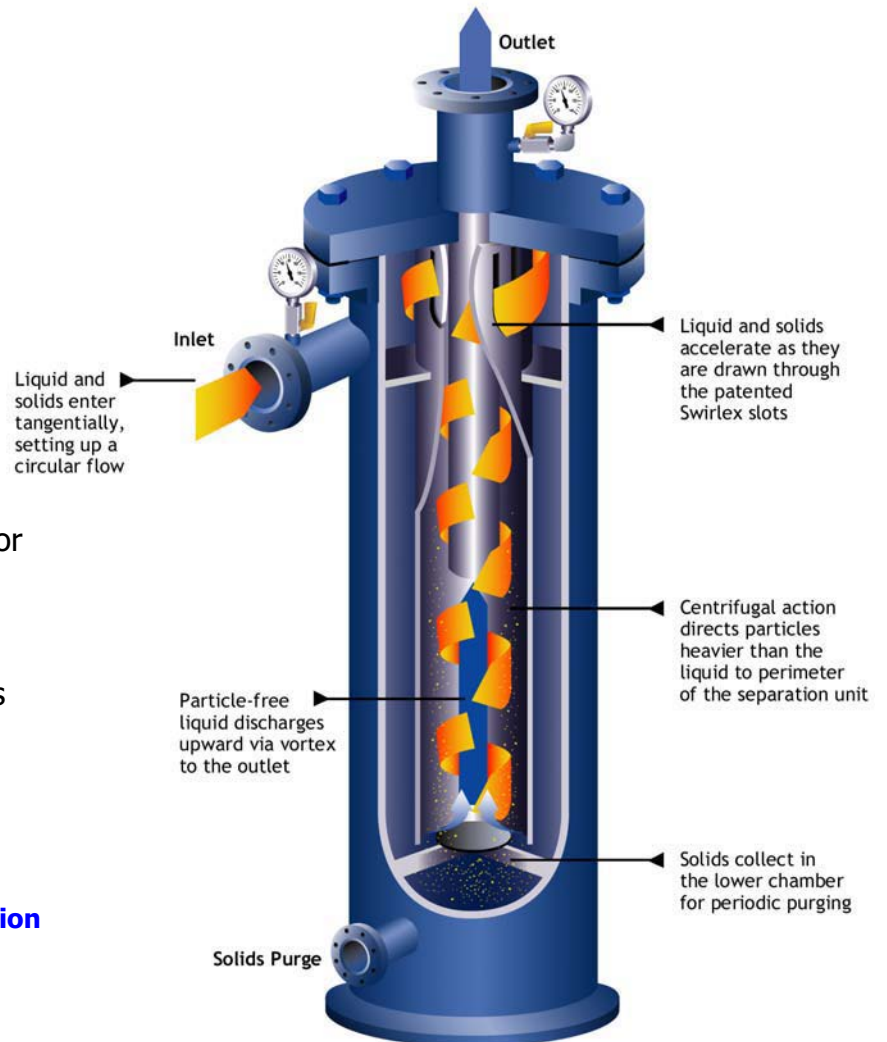
For produced water and intake water supply. Extends the life of cartridges and other replaceable filters.

## Secondary Recovery

Protects high pressure pumps and finer filters used in waterflood injection while protecting formations.

## Produced Water

Removes sand prior to re-injection or disposal. Protects oil-water hydrocyclones. Prevents sand accumulation in FWKO and heater-treaters. Easily handles heavy solids loads and slugging.



## KEY FEATURES

- ◆ **ASME code Section VIII, Division is standard**
- ◆ **Trouble-free operation**
- ◆ **No screens or filter elements to clean or replace; no messy servicing routines**
- ◆ **No backwashing; zero fluid loss options**
- ◆ **Low and steady pressure loss**
- ◆ **Choice of profiles to accommodate space/piping limitations**
- ◆ **Flanged construction for internal accessibility**
- ◆ **Patented Swirlex internal accelerating slots for optimum solids-removal performance.**
- ◆ **Independently tested**
- ◆ **Patented internal Vortube for enhanced separation/collection**
- ◆ **ANSI flanged inlet/outlet connections are standard; DIN and other connections also available**
- ◆ **In-line inlet/outlet configuration for simplified piping (low profile models only)**

# LAKOS

## General Specifications

Model	Flow Range		Inlet/Outlet inches	Purge Size inches	Collection Chamber Capacity		Weight		Weight with Water	
	bbld	m <sup>3</sup> /hr			gal	liters	lbs	kg	lbs	kg
* EPP-0015	2057-3429	14-23	2	2	0.8	3	150	68	221	101
EPP-0020	2914-4971	19-33	2½	2	0.8	3	194	88	278	126
EPP-0030	4457-7714	30-51	3	2	0.8	3	202	92	290	132
EPP-0045	6857-11143	45-74	4	2	1.6	6.1	327	149	507	231
EPP-0065	9771-18000	65-120	4	2	5.4	20.5	474	256	758	345
EPP-0100	15429-28286	102-187	6	2	6.7	25.4	697	378	1132	525
EPP-0150	22286-41143	150-275	6	2	10.4	39.4	898	413	1554	706
* EPP-0265	39771-73714	265-490	8	2	20.5	77.6	1411	641	2665	1211

Inlet/outlet and purge have ANSI flanges standard; other flanges/connections available

**Maximum pressure rating:** Standard models at 150 psi (10 bar); 285 psi (20 bar); 410 psi (28 bar); 740 psi (51 bar) or 1440 psi (100 bar); higher pressures available

**Pressure loss range:** 3-12 psi (.2-.8 bar)

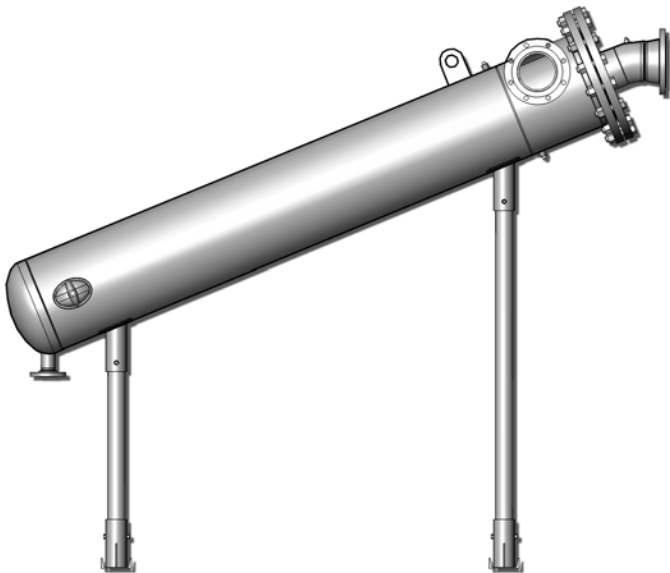
**Maximum particle size:** .375 inch (9.5 mm)

**Material:** Carbon steel construction. Special coatings, other materials available; consult factory

**Exterior finish:** Powdercoat; Medium Grey RAL-7035

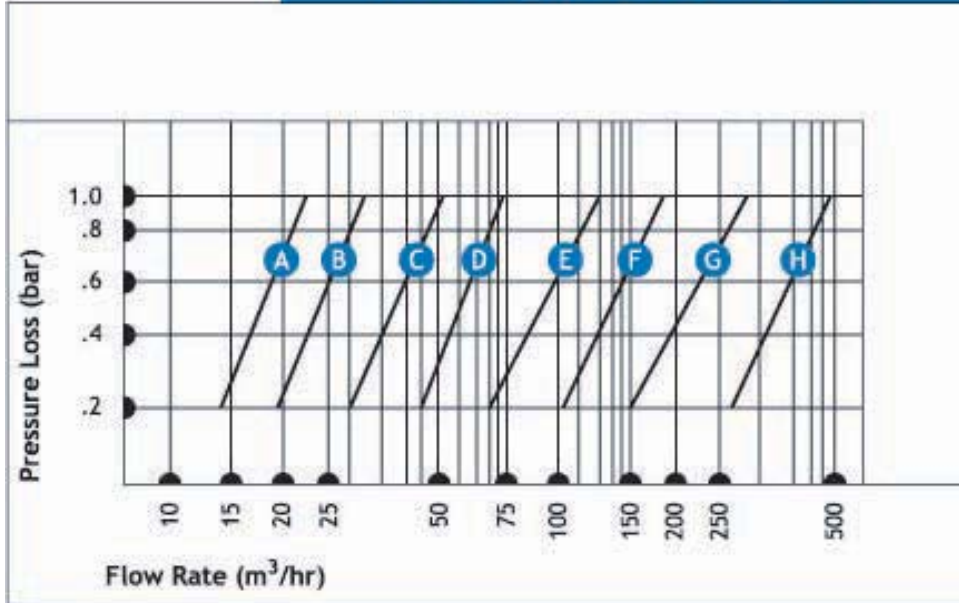
\* Desanders for smaller and larger Flow Rates are also available; consult the factory

## Consult Factory for Dimensions



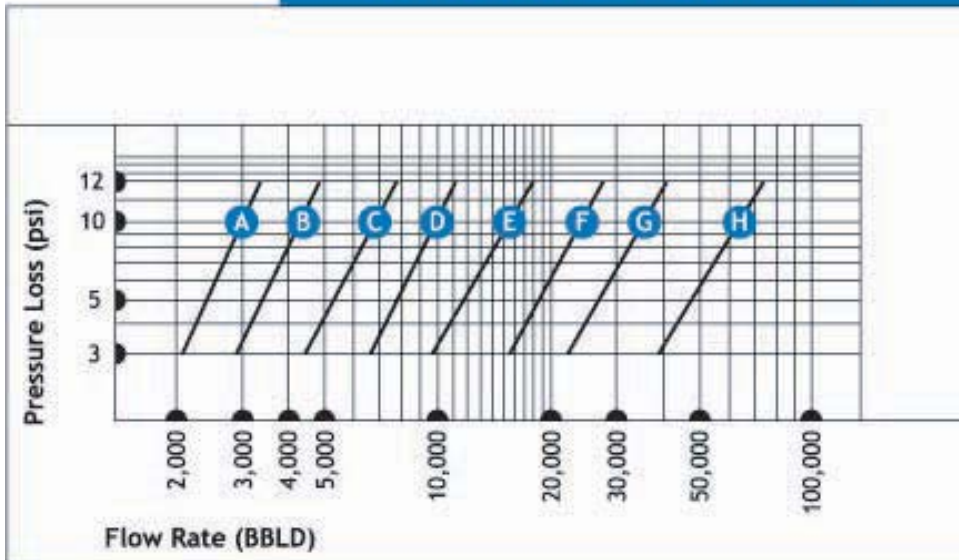
# EPP Specifications

## Flow vs. Pressure Loss



- A EPP-0015
- B EPP-0020
- C EPP-0030
- D EPP-0045
- E EPP-0065
- F EPP-0100
- G EPP-0150
- H EPP-0265

## Flow vs. Pressure Loss



- A EPP-0015
- B EPP-0020
- C EPP-0030
- D EPP-0045
- E EPP-0065
- F EPP-0100
- G EPP-0150
- H EPP-0265

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LAKOS products are manufactured and sold under one or more of the following U.S. Patents: 5,338,341; 5,368,735; 5,622,545; 5,811,006; 5,894,995; 6,090,276; 6,143,175; 6,167,960; 6,202,543; and corresponding foreign patents. Other U.S. and foreign patents pending.

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#### **LIMITED WARRANTY**

All products manufactured and marketed by this corporation are warranted to be free of defects in material or workmanship for a period of at least one year from date of delivery. Extended warranty coverage applies as follows:

All LAKOS Desanders: Five year warranty

All other components: 12 months from date of installation; if installed 6 months or more after ship date, warranty shall be a maximum of 18 months from ship date. If a fault develops, notify us, giving a complete description of the alleged malfunction. Include the model number(s), date of delivery and operating conditions of subject product(s). We will subsequently review this information and, at our option, supply you with either servicing data or shipping instruction and returned materials authorization. Upon prepaid receipt of subject product(s) at the instructed destination, we will then either repair or replace such product(s), at our option, and if determined to be a warranted defect, we will perform such necessary product repairs or replace product(s) at our expense.

This limited warranty does not cover any products, damages or injuries resulting from misuse, neglect, normal expected wear, chemically-caused corrosion, improper installation or operation contrary to factory recommendation. Nor does it cover equipment that has been modified, tampered with or altered without authorization.

No other extended liabilities are stated or implied and this warranty in no event covers incidental or consequential damages, injuries or costs resulting from any such defective product(s).