

PRAB CANDLE FILTER

CUTTING & GRINDING COOLANT FILTRATION SYSTEM

Fine Particulate Filtration

The PRAB Candle Filter is specifically engineered to efficiently remove fine particulate from spent oil in honing and EDM applications, and in Tungsten carbide tool and steel ball grinding applications. This new filter uses media in a long cylinder that houses more than 10,000 thin membrane wafers. These membranes effectively and consistently capture grinding swarf at 1 micron. These dependable filters operate with virtually no downtime for maintenance. The self-cleaning, air-driven backwash system automatically clears the filter of dirt and debris allowing the Candle Filter to perform reliably under large production runs.



Features:

- Candle-like filter elements composed of thousands of thin wafers compressed tightly by spring.
- All particles larger than one micron trapped on outside edge of filter elements when dirty fluid passes through tiny gaps between wafers.
- Filter efficiency reaches 1-3 microns.
- Automatically cleaned by rapid backwash cycle.
- Uses air to blow out particles on elements and deposits them into sludge-collecting basket.
- Equipped with oil suction and filtration device in sludge basket, making dry sludge easy to collect and sell.
- The replaceable filter element lasts several years (when used with recommended oils). (note period placement)

A true performance guarantee ensuring your PRAB equipment achieves the specific results it was designed and manufactured to deliver. And if you need technical support, call us. We are available 24/7.



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Specifications:

MODEL	VESSEL NO.	FLOW RATE GPM	L	W	H	DIRTY INLET (h)	TANK VOL (GAL)	CLEAN OIL FLOW RATE GPM	CLEAN OIL PRESSURE PSI	CHILLER (TON)	CHILLER DIMENSION L X W X H
CF4T-1R	1	15	52.8	41.8	60.8	11.8	170	13	85	1	21.6x18.9x40.9
CF4T-1	1	21	52.8	41.8	60.8	11.8	170	16	85	2	27.4x19.4x46.3
CFT-1	1	24	52.8	48.0	60.8	15.8	210	16	85	2	27.4x19.4x46.3
CFT-1S	1	36	70.9	48.0	60.8	15.8	285	24	85	3	23.6x36.2x49.0
CF7T-1	1	50	60.0	60.0	60.8	15.8	285	32	85	3	23.6x36.2x49.0
CF7T-1S	1	66	60.0	60.0	60.8	15.8	285	48	85	4	43.5x27.8x55.0
CFT-2	2	50	70.9	48.0	60.8	15.8	285	32	85	3	23.6x36.2x49.0
CFT-3	3	71	96.0	48.0	60.8	15.8	380	48	85	4	43.5x27.8x55.0
CFT-4	4	95	120.0	48.0	60.8	15.8	485	64	85	5	43.5x27.8x55.0

Notes: 1. Customer-defined oil supply pump, pressure changes with viscosity.
2. Oil cooler is an optional attachment, 1 ton = 12,000 BTUs.

3. Dirty oil extraction device is optional.
4. Dimensions shown are in inches.

Recommended Oil:

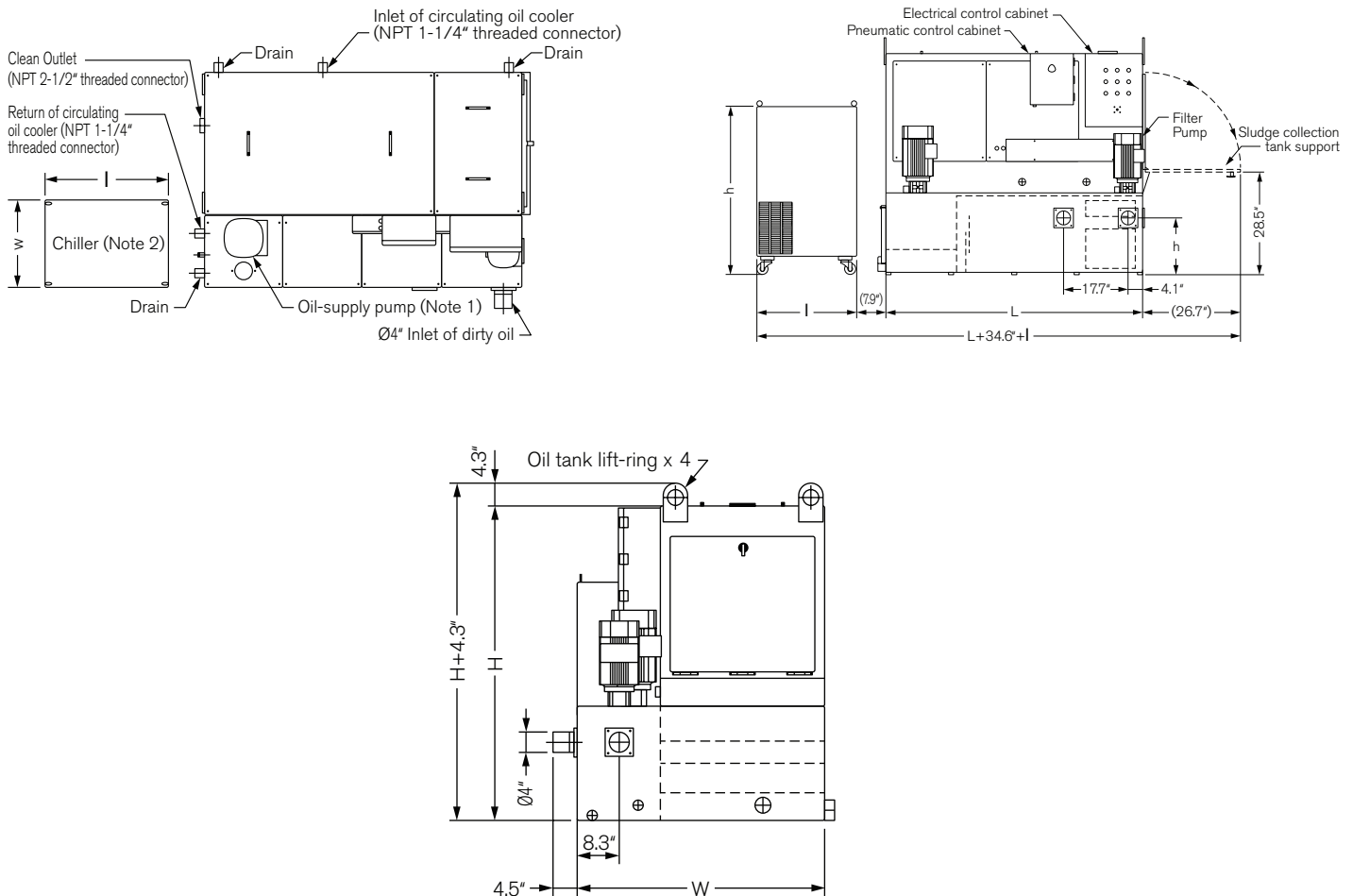
GRINDING OIL		
MODEL	VISCOSITY	FLASH T.
CROWN CUT 850	43 SUS@ 100°F	266°F
SintoGrind TT	45 SUS@ 100°F	320°F
Castrol 488 CF	45 SUS@ 100°F	230°F
Castrol Honilo 980	43 SUS@ 100°F	250°F
OMNI-Grind V	37 SUS@ 100°F	239°F
Norpar 15	33 SUS@ 100°F	240°F
EMOL-O-GRIND 168/3	45 SUS@ 100°F	266°F

EDM OIL		
MODEL	VISCOSITY	FLASH T.
Castrol SE 180	37 SUS@ 100°F	212°F
US-1	36 SUS@ 70°F	240°F
US-2	32 SUS@ 77°F	165°F
US-3	34 SUS@ 77°F	210°F
Interlyte	37 SUS@ 72°F	220°F
IonoPlus	37 SUS@ 77°F	225°F
Commonwealth 259T	37 SUS@ 72°F	259°F
Commonwealth 244	37 SUS@ 72°F	244°F

Note: Water in the oil will deteriorate the oil quality, reduce flow rate and damage filter elements.

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Applications:

- Carbide Tool and Cutter Grinding
- Electrical Discharge Machine (EDM)
- Honing
- Precision Grinding

Maximum Recommended Oil Viscosity:

- Grinding – under 45 SUS
- EDM – under 37 SUS

Filter Precision: 1~3µ

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