

PRAB CANDLE FILTER

PROVEN TO EXTEND TOOL LIFE BY UP TO 25%

Fine Particulate Filtration for Cutting & Grinding Applications

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. 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. 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.



Cutting & Grinding Coolant Filtration System



Before and After

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
- 10,000 thin membrane wafers capture grinding swarf down to 1-3 micron
- 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)

Benefits:

- Improves coolant recycling and fluid reclamation
- Virtually no downtime for maintenance
- Performs reliably under large production runs
- Self-cleaning air pressure backflush cycle reduces labor and increases process efficiency
- Swarf is purged into an external receptacle for easy collection and recycling

"The reason we purchased PRAB's equipment is because it can keep up with production, it is fully automatic, clean, and very user friendly."

– Gary Sroufe, C&A Tool's multi-spindle "go-to guy"

Backed by the **PRAB Difference**



PRAB CANDLE FILTER

REDUCES RE-SHARPENING COSTS BY AN AVERAGE OF 50%

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.

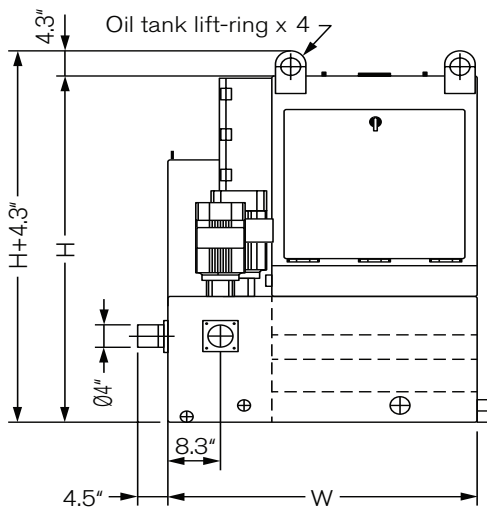
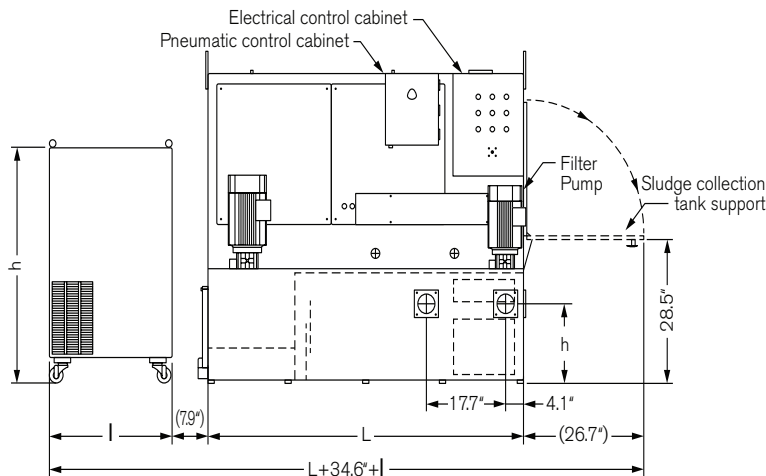
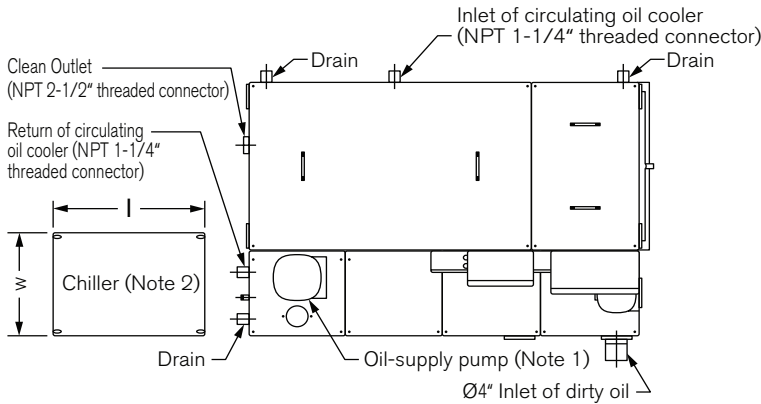
For free fluid test **contact us** today

Phone: 1-800-968-7722 | Email: sales@prab.com | Website: prab.com



PRAB CANDLE FILTER

REDUCED MACHINE DOWNTIME BY AN AVERAGE OF 50%



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



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.

Contact us to **request a quote** today

5801 East N Avenue, Kalamazoo, MI 49048

Phone: 1-800-968-7722 | Email: sales@prab.com | Website: prab.com



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