Puradyn Filter Technologies Inc

PRODUCT OVERVIEW

As Puradyn's distribution partner, DistributionNOW has added the Puradyn family of filters to our portfolio of customer solutions that will provide increased cost savings. These products offer an innovative solution designed to allow both natural gas and diesel engines to continuously run on clean oil, safely extend oil change intervals, and extend the engine's life cycle between overhauls.

A Puradyn filtration system is an ideal solution for any situation where an engine is in near constant use (hydraulic fracturing pump, mud pump, compressor engines, rig power generators) or where regular oil change intervals may be difficult or expensive to maintain (truck and machinery rentals, fleet vehicles, land/offshore rigs, marine, mining, artificial lift, compressor stations or any other remote locations).

THE PURADYN MTS

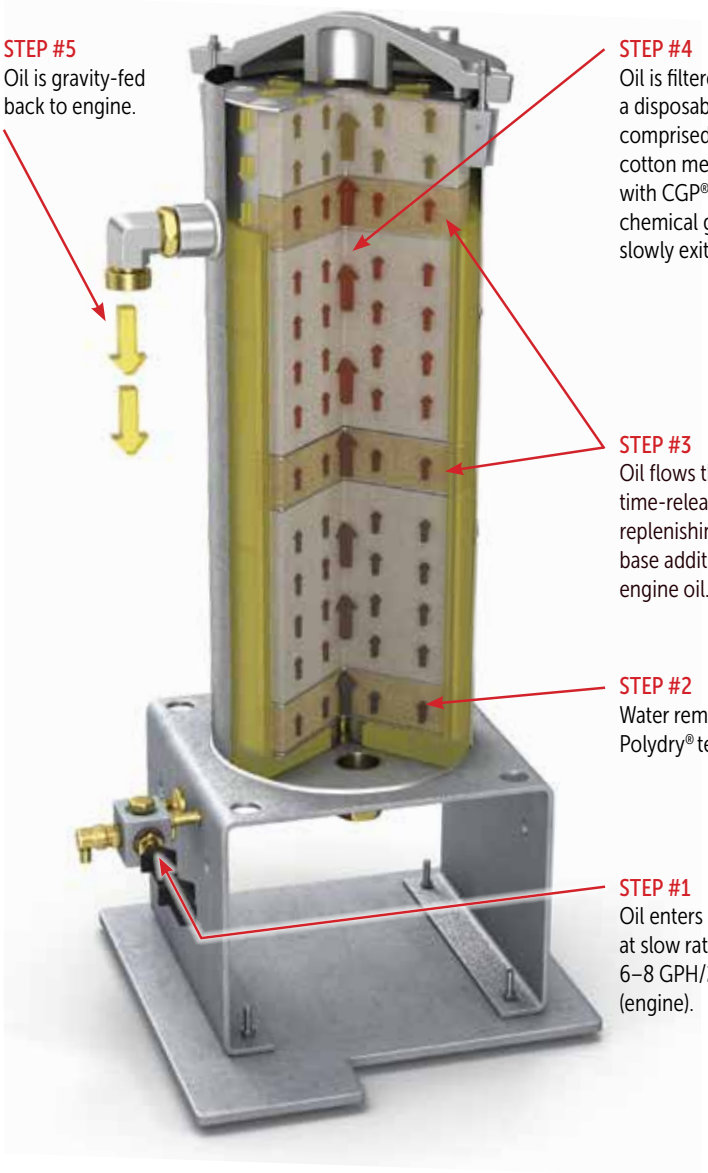
Puradyn's new Millennium Technology System (MTS) provides the same micro-fine oil filtration as previous industry-known TF and PFT models, but with the added enhancement of water contaminant removal through polymer technology. The MTS is a high-efficiency multi-stage bypass filtering system for engines, designed to remove solid contaminants (70% efficient) to below one micron and liquid contaminants, while replenishing base additives through a patented additive release to maintain the oil's chemical balance.

The Puradyn MTS is a robust model which comes equipped with a mounting bracket for greater stability. This configuration works particularly well in meeting new engine requirements. In conjunction with the full flow filter, the Puradyn MTS keeps oil continuously clean and therefore maximizes the life of your engine.

MTS filtration technology is more compact in size, making installation easier. Like the TF and PFT, the MTS models are capable of effectively filtering the same large capacity oil sumps and engines using any type of fuel: diesel, gasoline, propane, natural gas, compressed natural gas, or biodiesel.

The Puradyn family of oil filtration systems are the only bypass systems which address:

1. Removal of solid contaminants to below one micron (validated through independent lab testing)
2. Removal of liquid contaminants
3. Replenishment of base engine oil additives to properly maintain the oil's chemical balance and viscosity



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COMPARISON PRODUCT

	Centrifugal Filters	Puradyn
Removes contaminants to below one micron		✓
Certified green product	✓	✓
Can be used inall industrial fluids	✓	✓
Removes water from oil		✓
Continuously clean oil		✓
Quick installation		✓
Increases time between oil changes		✓
Replaces base additives		✓
Dependent on engine speed	✓	
Pump assisted	✓	

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AVAILABLE UNITS

Model number	MTS-8	MTS-8X12	MTS-12	MTS-24	MTS-40	MTS-60	MTS-240
Maximum engine oil capacity*	Up to 10 quarts *Up to 9.6 liters*	Up to 24 quarts *Up to 22.7 liters*	Up to 24 quarts *Up to 22.7 liters*	Up to 44 quarts *Up to 41.7 liters*	Up to 100 quarts *Up to 94.7 liters*	Up to 172 quarts *Up to 162.8 liters*	Up to 340 quarts *Up to 322 liters*
Flow rate (engines)	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*	6–8 GPH *22–40 LPH*
Height**	8.0 in. *20.3 cm*	11.1 in. *28.2 cm*	8.0 in. *20.3 cm*	11.0 in. *28.0 cm*	12.9 in. *32.8 cm*	16.9 in. *43.0 cm*	29.4 in. *74.7 cm*
Width	7.0 in. *17.8 cm*	7.0 in. *17.8 cm*	9.3 in. *23.6 cm*	9.3 in. *23.6 cm*	10.0 in. *25.4 cm*	10.0 in. *25.4 cm*	10.0 in. *25.4 cm*
Depth	6.6 in. *16.8 cm*	6.6 in. *16.8 cm*	8.6 in. *21.8 cm*	8.6 in. *21.8 cm*	10.6 in. *27.0 cm*	10.6 in. *27.0 cm*	11.9 in. *27.0 cm*
Shipping weight	9.5 lbs *4.3 kg*	12.5 lbs *5.7 kg*	14.5 lbs *6.6 kg*	19.0 lbs *8.6 kg*	28.0 lbs *12.7 kg*	35.0 lbs *15.9 kg*	48.5 lbs *22.0 kg*

* Severe applications and operating environments may require model size adjustment from that shown on the standard sizing chart above. Please contact your local distributor to confirm the correct size system for your application or environment.
** Includes all fittings

COST SAVINGS EXAMPLE

Puradyn Bypass Filter (Current vs. with Puradayn)

		Number		Total cost	
Expense	Cost	Current	with Puradyn	Current	with Puradayn
Oil replacement (85 gal)	$ 16.00	85	3.0	$ 1,360.00	$ 48.00
Full flow filter	$ 60.00	2	2.0	$ 120.00	$ 120.00
Labor for oil/filter change	$ 75.00	2	0.5	$ 150.00	$ 37.50
Puradyn bypass filter	$ 141.00	0	1.0	$ –	$ 141.00
5000 hour Puradyn oil change	$ 125.83	0	1.2	$ –	$ 151.00
			Total cost per oil change	$ 1,630.00	$ 497.5
			Total annual cost	$ 19,560.00	$ 5,969.95
			Esimated annual savings		$ 13,590.05

* Please note that assumptions are based on 85 gallon oil sumps, 500 hours current oil drain, 6000 hours average annual use, with a desired oil change interval of 5000 hours.
** Oil disposal costs will cause savings to increase.

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FREQUENTLY ASKED QUESTIONS

How long will it take for this system to pay for itself?
Without factoring in efficiency or engine overhaul, that would depend on the cost and man hours of each oil change. For most larger engines, the Puradyn system pays for itself within 3–6 months.

What makes Puradyn different from other bypass filtration systems?
Puradyn addresses all three primary causes of oil degradation:

1. Removal of solid contaminants
2. Removal of liquid contaminants
3. Replenishment of critical base additives

Can the Puradyn filtration system replace current OEM filters?
No, Puradyn works in conjunction with your OEM oil, air, and fuel filters to protect your engine, and these should be replaced at the same time as your Puradyn filter.

Can Puradyn damage the engine?
No, the Puradyn system acts as a by-pass, kidney-style, filtration system which keeps the engine running continuously on clean oil. It will not void your manufacturer warranty if properly used in conjunction with an oil analysis program.

What is the difference between this and the OEM filter?
The most important difference is your OEM filter does not replace base additives, will not remove fluid contaminants, and only filters solids in the range of 5–15 microns. These are the primary reasons for an oil change and demonstrates the value that Puradyn brings by allowing the oil life to be safely extended much longer than with OEM filters and other filtration systems.

Is a trial run possible?
Yes, assuming our customer is doing regular oil analysis and commits to following Puradyn's Service Protocol during the trial period, DNOW will extend Puradyn's six-month money back guarantee, as well as a five-year unlimited miles/hours warranty on the unit.

How often do you have to change the Puradyn filter?
Puradyn recommends that you change their filter when you would have normally changed your engine oil, and after an oil sample has been taken for analysis. **All OEM filters should be replaced at the same time.**

Can I use Puradyn in a natural gas-fired engine?
Yes, but we must know this information in advance. Diesel and natural gas lubricants use different additives and the Puradyn filters are manufactured with the specific additives required for each application.

Can I use Puradyn in synthetic or with an EAL?
Yes, there is no issue at all with synthetics in an engine application. With EALs (especially in Hydraulic applications), it would be best to have the specifications reviewed by Puradyn prior to usage.

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