PIPELINE DELUMPER®

Powerful Inline Processor

The PIPELINE DELUMPER® is a proven in-line processor that chops, shreds, disperses and suspends solids directly in fully enclosed pipe systems. This straight-through, ultra-compact unit rectifies flow properties of heavy sludge, slurries and solids-laden streams.

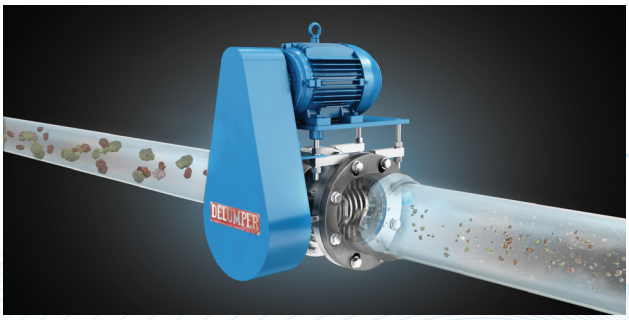
The PIPELINE DELUMPER® alleviates blockages, works the stream to free flow and improves processing. It can prevent damage to pumps, piping, valves, nozzles and downstream equipment. This unit has proven itself as a valuable problem solver in process systems worldwide.

Easy to Install | Powerful Cutting Mechanism | Ultra-Compact Design
Increases Process Efficiency | Heavy, Precision Construction | Effective in Liquid Systems

Options

- Special Materials for Highly Corrosive Environments
- Direct Drive
- Torque Limiter
- High Temperature Design
- High Pressure Design
- System Design

Reduces Downtime and Improves Flow Characteristics



The PIPELINE DELUMPER instantly converts a solids-laden stream into a fully suspended homogeneous flow. It prevents settling out, clustering and over-pressure. The reduced particles are entrained in the stream, away from the pipe walls. Scale that becomes dislodged from reactors, silos, and tanks is crushed before it can impede the flow.

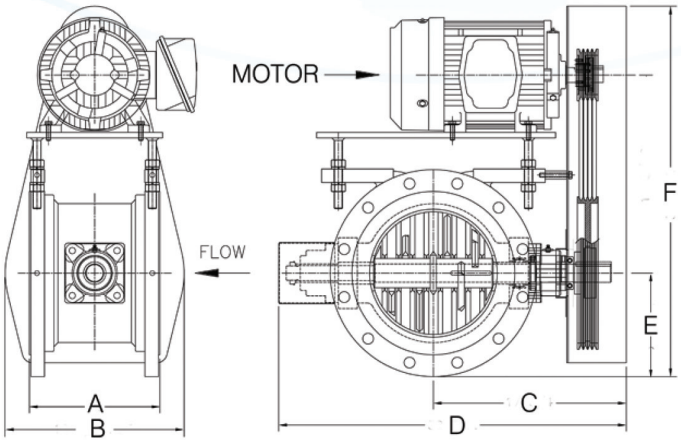
Franklin Miller® SINCE 1918
Experience the Difference!

www.franklinmiller.com

Construction

The ultra-compact PIPELINE DELUMPER® is designed for easy installation in straight-through, liquid, pneumatic or gravity systems. This unit aggressively reduces solids up to the full pipe size, with a self-clearing, self-feeding mechanism. It is supplied with an effective seal system housed in an easy to maintain bearing/seal cartridge. This cartridge design eliminates the need for plant personnel to handle delicate seal components. Additionally, a choice of seals is available.

PIPELINE DELUMPER Models



MODEL NO.	PIPE SIZE	A	B	C	D	E	F	TYP HP
PD3	3	5.5" 140 mm	10.2" 259 mm	9.69" 246 mm	17" 432 mm	5.12" 130 mm	20" 508 mm	2
PD4	4	6" 152 mm	10.2" 259 mm	9.875" 251 mm	18" 457 mm	5.12" 130 mm	20.69" 525 mm	5
PD6	6	7" 178 mm	12" 305 mm	12.75" 324 mm	22.75" 578 mm	6" 152 mm	23.38" 594 mm	5
PD8	8	8" 203 mm	16" 406 mm	15" 381 mm	25.62" 651 mm	8" 203 mm	32" 813 mm	10
PD10	10	10" 254 mm	16.5" 419 mm	16" 406 mm	28.1" 714 mm	8" 203 mm	33.81" 859 mm	10
PD12	12	12" 305 mm	16.5" 419 mm	17.75" 451 mm	35" 889 mm	9.5" 241 mm	34" 864 mm	15
PD14	14	14" 356 mm	16.5" 419 mm	17.75" 451 mm	36.25 921 mm	10.5" 267 mm	37" 940 mm	20
PD16	16	16" 406 mm	37" 940 mm	25.10" 637 mm	44" 1118 mm	18.25" 464 mm	52" 1321 mm	25
PD18	18	18" 457 mm	37" 940 mm	26.10" 663 mm	46" 1168 mm	18.25" 464 mm	52" 1321 mm	30
PD20	20	20" 508 mm	37" 940 mm	28" 711 mm	52" 1321 mm	16" 406 mm	62" 1575 mm	40
PD24	24	24" 610 mm	41" 1041 mm	31" 787 mm	55" 1397 mm	19.12" 486 mm	66.75" 1695 mm	50
PD30	30	30" 762 mm	55" 1397 mm	36" 914 mm	63" 1600 mm	27.5" 698 mm	78" 1981 mm	75
PD36	36	36" 913 mm	74" 1880 mm	45" 1143 mm	82.25" 2089 mm	37" 940 mm	98.5" 2502 mm	100

Contact factory for certified drawings. Other sizes are available on request. Our in-house test facility is available to demonstrate actual performance and results on your material.

Improves Product Consistency

PD36 Pipeline Delumper

The PIPELINE DELUMPER improves product quality, blend and consistency. It instantly reduces tough solids to a uniform output size, and improves mixing, drying and dissolving operations. Nozzles are kept clear and sensitive media is protected. The result is reduced downtime, a process that is in better control, and substantial savings to the operation.

Configurations

The PIPELINE DELUMPER can be configured to meet most application requirements. Units are supplied with standard 150# ASA flanges and can be supplied with up to 600# flanges. Packings, mechanical seals or nitrogen purge seals can be provided. A unique replaceable liner system allows for the complete periodic renewal of the unit interior. An optional sizing screen can be provided for fine particle reduction. A hard facing option provides extended cutter life in extremely abrasive applications. Controls and zero speed indicators are also available. Units are provided in carbon steel, 304L or 316L stainless steel, and special nickel alloys.

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