

CentraSep[®] DX-905

Clean fluids work better and last longer



DESIGN AND OPERATING FEATURES

- Manual-cleaning
- Excellent media-free filtration
- Wear protection liner and inserts
- Product feed pump and pre-filter, designed to be fed from headers pressure or its own pump
- Light and heavy phase centripetal pumps
- Back pressure valve on heavy phase and light phase discharge pipe for fine tuning of separation
- NEMA 12-control panel w/Allen Bradley PLC and Touchscreen
- Integral sludge/tramp oil tank with waste pump
- Set of regulating rings
- Mounting isolators
- Set of tools

Get Results With Your Industrial Fluids

The DX-905 is designed to efficiently remove solids, insoluble contaminants, and tramp oil from water-based fluids, as well as water and solids from straight oils. The unit produces a very high peripheral centrifugal force for the removal of fine particles (0.1 to 50 microns) and the efficient separation of two immiscible liquids (e.g. tramp oil from water-based metalworking fluids). Modules are custom designed for your particular fluid issues. The removal of contaminants greatly improves fluid performance and longevity. For straight oils, this means removal of solids and free water. For coolants, efficient removal of fines, tramp oil, and bacteria has a tremendous positive impact, such as longer life, reduced chemical purchases and disposal costs, reduced biocide usage, better finish and size control, and better tool life. It is all available without capital investment or long-term commitment.

Select the Program That is Right for You

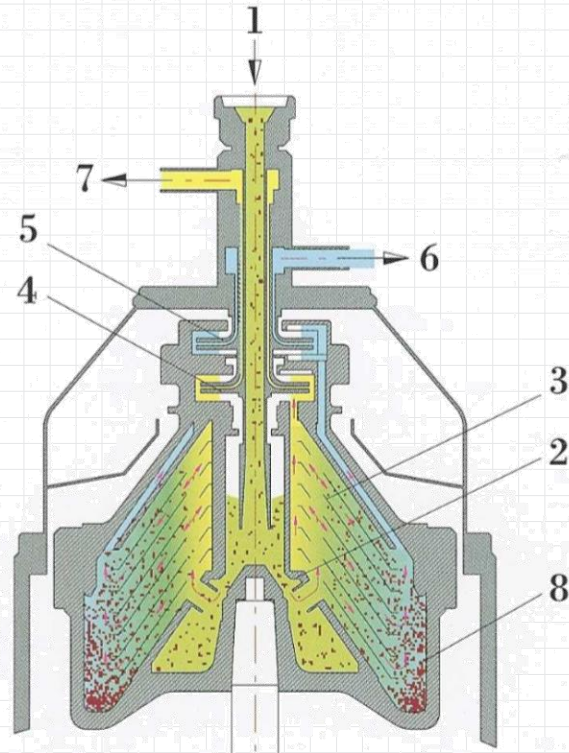
High-speed centrifugation is available for purchase, or rental with the Purification Service agreement. With the nation's largest privately-owned fleet of purification modules, a large service staff and hundreds of years of combined experience in separation technologies, Trucent has unparalleled capabilities and response time. And, with the Purification Service, you will experience all the benefits of clean industrial fluids without capital expenditure, without long-term commitments and without any service obligations. Trucent takes care of the machine for you, including all parts and all labor and with our rapid response promise, free upgrades and even machine replacement if necessary. You reap the benefits, we'll take care of the rest.



Note the difference in both color of product and removal of oil layer

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Dimensions and Specifications



Working Principle

CENTRASEP DX-905 PURIFICATION MODULE

This DX-905 permits the separation between solids/tramp oil and industrial or in-process fluids. The separation takes place in the bowl of the separator, rotating at a speed of 10,200 rpm. The product flows (fig 3.1) into the bowl through a feed pipe (1) and into the distributor (2) undergoing acceleration until it reaches the bowl rotating speed. The distributor (2) conveys the product to the disk stack (3) where the separation between solids/tramp oil and in-process fluid takes place. Disks divide the internal space of the bowl into many thin layers. A greater number of disks, along with other factors, increase separation efficiency. The tramp oil, or light phase, flows toward the center of the bowl and leaves the disk assembly via its inner edge. The in-process fluid, or heavy phase, flows toward the bowl periphery. Both phases rise in the disk stack to reach the two upper chambers of the bowl. Here two fixed centripetal pumps (4-5) convey them separately under pressure to their respective outlets (6-7). Simultaneously, the solid impurities (9) collect on the interior of the disks. They are continually forced to the periphery of the bowl body (8) where they must be removed manually. Valves and instrumentation needed to control and regulate the separator are located on inlet and outlet pipelines.

DIMENSIONS AND WEIGHTS

Length	52	in
Width	32	in
Height	75	in
Gross Weight	2,000	lbs

TECHNICAL DATA

Hydraulic Capacity	396	gph
Solids Chamber Capacity	.14	gal
Bowl Speed	10,200	rpm
Motor	2	hp
Centrifugal Force	14,200	g-forces
	440	volts
	3	phase
Utility Requirements	60	hertz
	30	amps
	29	psi waterline

*Actual capacity contingent on the characteristics of the product to be treated (solids, density, etc.) and on the required degree of purity of clarified phases