

Filter Separators



Description

PTS supply, gas filtration units, affiliated support equipment, and operational personnel during pigging operations. The equipment is selected based on applicability to handle anticipated rates and residuals, using standard oilfield norms and guidelines, and verified through HYSIS modeling.

Applications

- Gas line pigging

Features & Benefits

- Double barrel gas filter separator designed to remove a wide range of liquid contaminants, including lubricant oils, low surface tension liquids and aerosol mists.
- The coalescent filter removes bulk liquid and solids particles and also coalescent fine liquid droplets into larger ones. These larger droplets are then removed into the second (Double Pocket Van) section.
- The double barrel configuration allows us to maximize the gas flow in the upper barrel without re-entrainment while the liquids drops into the lower barrel.
- The coalescent filters can be replaced periodically
- Filter elements remove 99.9% of all liquid droplets, fogs, and mists, plus all particulate matter down to 0.3-microns in size.



Operating Specification

COALESCENT FILTERS	VERTICAL COALESCENT FILTER	HORIZONTAL DOUBLE BARREL COALESCENT FILTER
OD	8.625 in.	26 in.
LIQUID CAPACITY	0.7 bbl.	6.6 bbl.
GAS CAPACITY	27 mmscf/d	75 mmscf/d
WORKING PRESSURE	1480 psi	1480 psi
TEMPERATURE DESIGN	-20°F to 100°F	-20°F to 100°F
HYDROSTATIC	2160 psi	2444 psi
RELIEF SET PRESSURE	1480 psi	1440 psi
GOR	Various	Various
SKID DIMENSIONS L x W x H		19 ft. 4 in. x 7 ft. 6 in. x 8 ft.
WEIGHT	2,200 lbs.	12,500 lbs.