

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. 5 in | 19 ft. 4 in. x 7 ft. 6 in. x 8 ft. |
| WEIGHT | 2,200 lbs. | 12,500 lbs. |