

# Sand Separator Vertical



## Description

The PTS Sand Separator is used to remove solids from the well stream. The PTS Sand Separator uses centrifugal force and inertial gravity to separate sand from the effluent. The wet sand is driven centrifugally into the lower inlet which enters the lower (settling) chamber of the Sand Separator. The design of the upper inlet nozzle helps to create a tangent flow of the remaining inlet stream and induces a centrifugal spin in the vessel to separate fine sand and fluid from the gas. The fine sand drops to the lower chamber and the gas and clean fluid flows to the outlet atop of the vessel. A dump manifold is situated at the bottom drain to remove the accumulated solids.

## Applications

- Well Testing
- Frac Flowback



## Operating Specification

WORKING PRESSURE	5,000 psi	10,000 psi	15,000 psi
VESSEL SIZE	20 in. x 8 ft.	28 in. x 11 ft.	18 in. x 10 ft.
ID	15 in.	16 in.	12 in.
RELIEF SET	5,000 psi	10,000 psi	15,000 psi
INLET	2 in. 1502 Weco	3 in. 1502 Weco	3 in. 1502 Weco
OUTLET	2 in. 1502 Weco	3 in. 1502 Weco	3 in. 1502 Weco
DRAIN	2 in. 1502 Weco	3 in. 1502 Weco	3 in. 1502 Weco
CODE	ASME SECT. VII DIV. 1	ASME SECT. VII DIV. 1, NACE	ASME SECT. VII DIV. 1, NACE
SKID DIMENSIONS L x W x H	17 ft. x 6 ft. x 5 ft.	17 ft. 6 in. x 6 ft. x 5 ft. 6 in.	17 ft. 6 in. x 6 ft. x 5 ft. 6 in.
WEIGHT	14,000 lbs.	20,000 lbs.	17,000 lbs.