

Stone Trap**Product Coding**
P440XXXXXX**Introduction**

Stone trap (also called a grit trap or settling chamber) is a mechanical device used in wells, pumps, or production systems to protect downstream equipment from sand, stones, and heavy particles. It is typically a T-shaped pipe, about 1.5 m long, with thicker walls than adjacent pipes, positioned between the production elbow, fuel valve, and operating valve. In some setups, a gate valve is installed between the stone trap and the bent pipe.

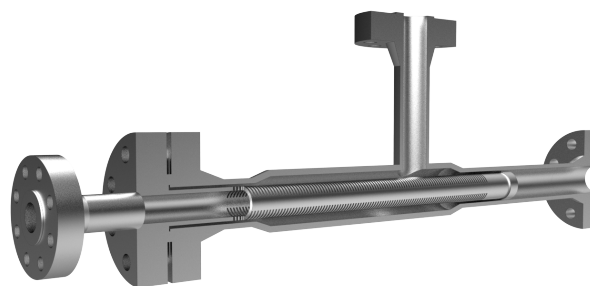
The trap functions by slowing the flow, allowing stones and heavy particles to settle at the bottom, while cleaner fluid exits through the outlet. Accumulated debris must be periodically cleaned through a hatch or drain. The stone trap can be cleaned regularly to ensure it remains effective in removing solid particles from the production fluids.

Stone traps work by utilizing gravity separation and controlled flow velocity: heavier materials settle into a collection chamber while the cleaner upper flow exits to the downstream process.

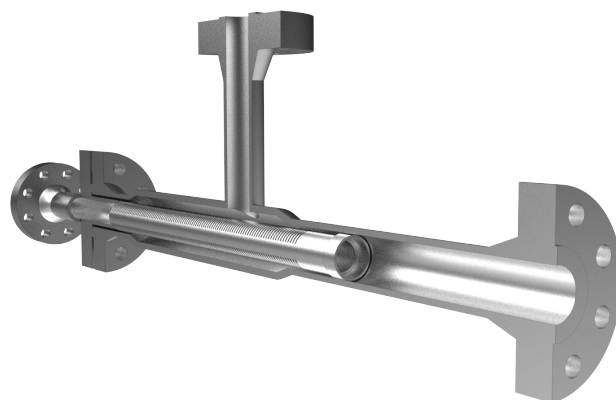
This simple and efficient design enables continuous, low maintenance removal of unwanted solids, making stone traps essential for harsh industrial environments.

Features

- No filter mesh or screens, it relies only on gravity and flow reduction
- Durable construction, usually concrete or heavy duty steel
- Low maintenance, just needs periodic cleaning of settled solids
- Protects pumps, valves, and pipelines from damage by stones/grit
- Reduces wear and tear on mechanical seals, bearings, and impellers

**Applications**

- Water treatment
- Dust suppression
- Pulp and paper industry
- Agriculture and irrigation
- Mining

**Specifications**

Reference: API 6A, ASME B31.3

Rating: 2000#, 3000#, 5000#, 10000#

Material class: AA to HH

Temperature rating class: K, L, N, P, S, T, U, V

Material: 45K, 60K, 75K

Cladding: Inconel (depending on temperature & corrosion rate)

Suitable for sour service:

NACE MR0175/ISO 15156 compliance



Tel.: +98 21 88686942-3
Fax: +98 21 88686168
Sales@euroslot-pars.com



www.euroslot-pars.com
Linkedin.com/in/euroslot-pars-6a11123ab
Youtube.com/@Euroslot-pars



Office: No. 2, Unit 2, East 32nd
(East Qeysari) St., South Allameh Ave.,
Sa'adat Abad Area, Tehran, Iran