

FLUID END PRODUCTS

FE-2250T

TRIPLEX FLUID END

A configurable three-cylinder fluid end for 2,250 BHP triplex fracturing pumps.

Valve-over-valve architecture with serviceable stuffing boxes, OPI EnduraCore™ metallurgy and configurable OP or XP consumable packages.



FE-2250T FULLY LOADED ASSEMBLY | REPRESENTATIVE

PRODUCT CONFIGURATION

PUMP APPLICATION

2,250 BHP class triplex pumps

PLUNGER SIZES

4.0 in, 4.5 in and 5.0 in

SUPPLY OPTIONS

Fully loaded assembly or bare fluid-end block

Images are representative. Final geometry, manifold orientation, connection details and interface dimensions are confirmed against the OPI quotation and approved technical schedule.

2,250	~238,000 lbf	8 in	3
PUMP BHP CLASS	ROD-LOAD CLASS	PUMP STROKE	CYLINDERS

Pump horsepower identifies the application class, not universal interchangeability. Fitment is confirmed against the pump model and approved interface drawings.

1 FE-2250T FLUID END ADVANTAGES

A configurable triplex fluid-end package combining maintainable construction, controlled metallurgy and OPI consumable support.

PUMP APPLICATION	EASE OF MAINTENANCE
For 2,250 BHP-class triplex pumps. Model-specific mounting and connection compatibility require confirmation.	Three-cylinder valve-over-valve layout supports straightforward valve, seat, packing and plunger changes.
PREMIUM MATERIAL SYSTEM	OPI CONSUMABLE SUPPORT
OPI-controlled metallurgy targets combined strength, toughness, cyclic-fatigue resistance and demanding-fluid capability.	Available with either OP or XP plungers, packing, wing-guided valves and removable seats.

2 PLUNGER SIZE AND PUMP MODELS

Current FE-2250T offerings cover three plunger sizes. Flow rates shown correspond to 330 rpm, 8-inch stroke and 100% volumetric efficiency.

Plunger size	Pump	Max flow rate	Max pressure	OPI consumables
4.0 in	2,250 BHP triplex class	431 GPM	18,900 psi	OP or XP
4.5 in	2,250 BHP triplex class	545 GPM	15,000 psi	OP or XP
5.0 in	2,250 BHP triplex class	673 GPM	12,100 psi	OP or XP

3 OPI ENDURACORE™ MATERIAL SYSTEM

OPI EnduraCore™ is a controlled high-strength fluid-end material system selected for severe cyclic fracturing duty. Material grade, chemistry, mechanical properties, heat treatment and hardness are confirmed through the approved OPI quotation and quality documentation.

Performance benefit	OPI EnduraCore™ system
Service application	Designed for severe cyclic high-pressure fracturing duties.
Material strength	Controlled material grade, forging quality and heat treatment selected for combined strength and toughness.
Fatigue resistance	Enhanced fatigue-performance potential through material selection, geometry, surface condition and process control.

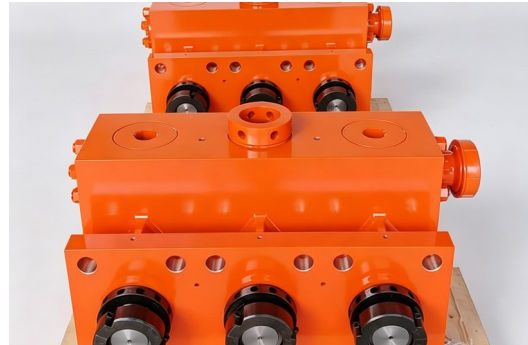
ENGINEERED FOR LONGER-LIFE POTENTIAL	HARDNESS IS ONE CONTROL - NOT THE WHOLE STORY
Material, geometry, surface condition and autofrettage are combined to pursue improved fatigue resistance and reduced downtime in severe duty.	Fluid-end life also depends on toughness, fatigue strength, corrosion resistance, geometry, surface condition, heat treatment, autofrettage and operating practice. Higher hardness alone is not proof of longer life.

4 FE-2250T DIMENSIONS AND ARRANGEMENT

Two representative product views illustrate the three-cylinder arrangement and service-access layout.

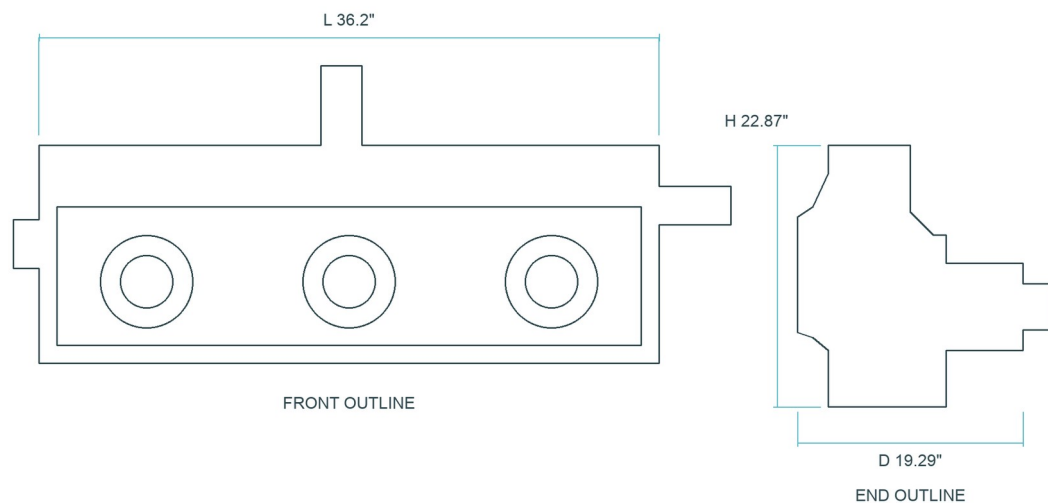


FE-2250T FRONT / CONNECTION VIEW |
REPRESENTATIVE



FE-2250T THREE-CYLINDER ASSEMBLY |
REPRESENTATIVE

4.1 MAIN OUTLINE DIMENSIONS



2250 ASSEMBLY REFERENCE

Dimensions are in inches. Not to scale.

5 CONNECTION AND CONSUMABLE OPTIONS

Select the outlet configuration and OPI consumable package to suit the pumping programme. Final connection ratings, orientation and component configuration are confirmed at quotation and order stage.

Configuration	Available options	Notes
Discharge flange	2 in or 3 in; 1502 / 2002; male or female	Selected by pressure class
Gauge connection	2 in 1502 / 2002 WECO-type interface	Selected by pressure class
Suction manifold	Suction manifold available on request	Manifold type confirmed at quotation
Consumables	OP standard-duty or XP premium-duty package	Plunger, packing, wing-guided valves and seats
Plunger sizes	4.0, 4.5 and 5.0 in	Available in OP and XP variants

ENGINEERING AND COMMERCIAL NOTES

Product designs, materials and specifications may change through continuous engineering development. Selection, compatibility, performance expectations and compliance are valid only against the OPI quotation, order acknowledgement and approved technical schedule. Images are representative and do not constitute a manufacturing definition.

SPEAK TO OPI SALES

Provide the pump model, operating duty and interface information above for verification and an OP / XP recommendation.

OPI SALES

sales@optimumpumpingindustries.com

DOCUMENT ISSUE

Document ID	Revision	Product range	Publication
OPI-FE2250T-DS-001	J	FE-2250T	September 2026