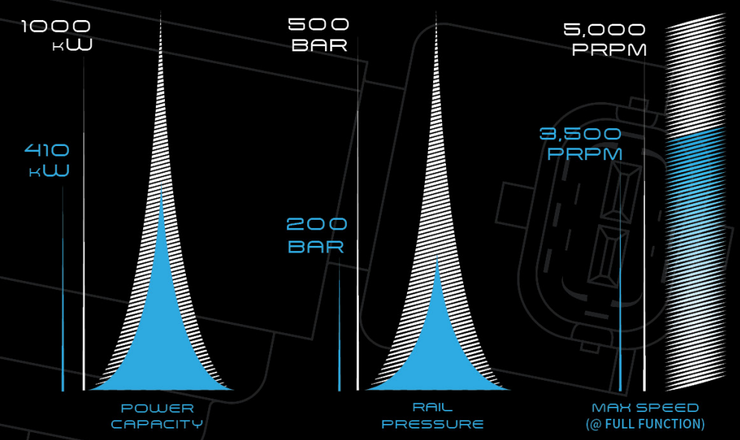
Technical SPECS



FEATURE	SPECIFICATION
Pump Description	Single plunger GDI pump, electronic demand controlled
Discharge pressure	200 bar max
Inlet pressure	3 - 6 bar
Max Flow at 200 bar	1250 mm^3/rev @ 2,500 prpm and 200 bar
Pressure relief valve	In pump
Flow control	Electronic, normally open
Driver	8 A peak, 3 A hold PWN
Cam	2 - 4 lobes
Tappet	Bucket or Special
Cam lift	5.7 mm max depending on number of lobes
Max speed	14,000 strokes/minute full function
Inlet connector options	Quick connect, Threaded with 60° Cone, custom
Discharge connector options	Threaded with 60° cone, custom
Fuel compatibility	Gasoline, E-10 to E85, M15
Pump mass	980 g
Environmental Temps.	-40 to 125 °C (-40 to 257 °F)

"We are successful when our customers are successful. Delivering an amazing, high-quality product to the end consumer, whether it is an on-road passenger vehicle or a high-performance race-car, is always our ultimate goal."

- Dr. Pinson, Stanadyne President and Chief Technology Officer

PRECISION

PERFORMANCE

FLEXIBILITY

SP1250-200
GDI Pump

DATASHEET

Stanadyne®

+1.860.525.0821
GDI@stanadyne.com
www.stanadyne.com

Stanadyne®

SP1250-200

Up to 410 kW (550 HP)

BENEFITS

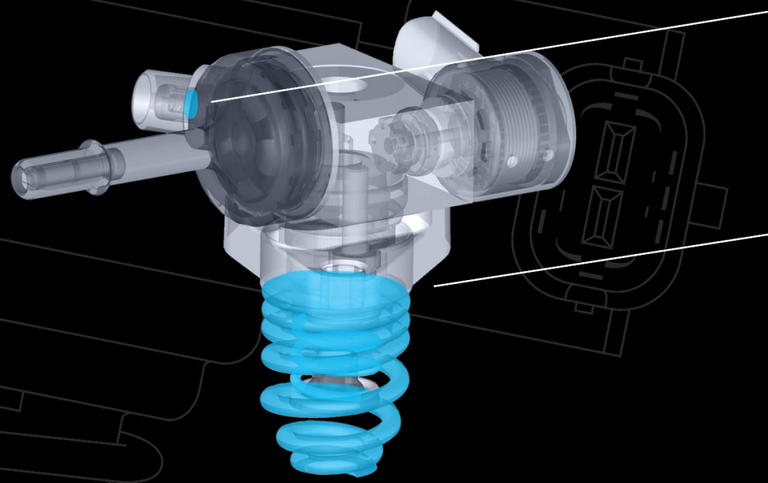
- Ultra low noise design
- Versitile for use in a wide range of engine applications
- Low mass design
- Class-leading start times and low speed efficiency

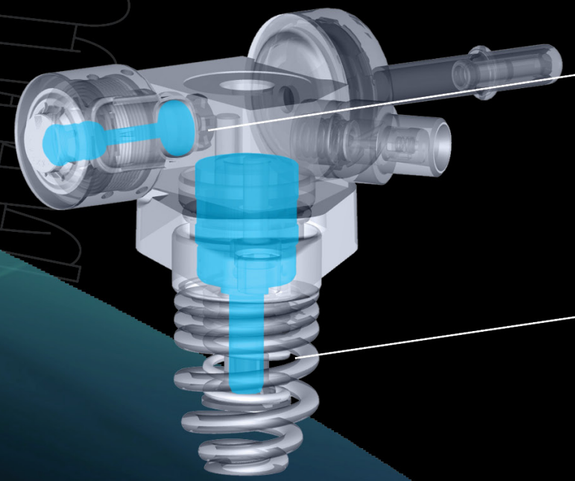
QuietTech™

Flexible Design

Efficient Performance

Leveraging our expertise in high pressure direct injection pump design and precision engineering, we crafted the SP1250-200 to set the technical standard for flexible packaging, lightweight design and quiet operation.





UNIQUE FEATURES

LOW MASS OUTLET VALVE

- Minimizes high-pressure pulsations with discharge check valve.
- Pressure relief and discharge check valves enable simplified pump housing.

PATENTED DUAL-SPRING DESIGN

- Separates tappet and plunger spring loads to reduce spring induced plunger side loading.
- Promotes fluid film replenishment at plunger to bore interface.
- Increases robustness to poor quality fuels.

QUIETTECH ™ CONTROL VALVE

- Incorporates dampened impact surfaces and sealing surface finishing techniques for superior noise reduction.
- Reduces reciprocating mass and impact surfaces with improved part count.
- Increases debris resistance.

PATENTED FLOATING PLUNGER SLEEVE MOUNT AND PLUNGER

- Minimizes plunger to bore clearance for better engine start times and class-leading low-speed efficiency.
- Eliminates plunger bore distortion due to mounting loads.
- Minimizes debris generation.
- Excellent seizure resistance.