PIUSI
SINCE 1953 THE GLOBAL LEADER
IN FLUID HANDLING
6.28L
PIUSI
DIESEL
B.SMART
SELF SERVICE HD
SELF SERVICE HD
ENGINEERED TO LAST
DESIGNED FOR FLEETS
The new generation of heavy duty dispensers,
designed for private fleets that never stop.
piusi.com

A new generation of Heavy Duty Dispensers

PIUSI presents the new **Self Service HD range**, the new range of **heavy duty dispensers designed to meet the needs of private fleets that require maximum reliability, safety and high performance**, combined with complete refueling control. Built on a solid industrial mechanical structure, the Self Service HD dispensers are **available in electromechanical version or with integrated B.SMART Fuel Management System**.

They offer precise and constant dispensing, while ensuring high durability over time. Thanks to the PIUSI Fuel Management System, it is possible to accurately monitor every liter dispensed, optimizing control and operational efficiency of the fleet.

B.SMART

MID Certification

ATEX Certification

Warranty*
5 Years
o
5 Mln liters

Integrated FMS system

Advanced protection against tampering and not authorized access

Less maintenance, longer lifespan and reduced operating costs

Certified and stable accuracy

Robust and compact design

High quality and long lasting components for heavy vehicles refueling

*The 5-year warranty, or 5 million liters, applies only to the hydraulic part: Pump and Flow Meter

The details that make the difference

	SELF SERVICE **HD**		SELF SERVICE **HD**	
Model	**80 L Mechanical**	**40-110 - 2 nozzles Mechanical**	**80 L BSMART**	**40-110 - 2 nozzles BSMART**
Code	F00749000	F00749010	F00749500	F00749510
Description	Self Service HD MID 80 l/min	Self Service HD MID 40-110 l/min	Self Service HD MID 80 l/min BSMART	Self Service HD MID 40-110 l/min BSMART
Electromechanical totalizer	Yes	Yes	Yes	Yes
Delivery hose length (m)	4	4	4	4
Meter accuracy	±0.15%	±0.15%	±0.15%	±0.15%
Accuracy class	0,5	0,5	0,5	0,5
Maximum pressure (bar)	4	4	4	4
Minimum measurable quantity (l)	5	2 (40) / 10 (110)	5	2 (40) / 10 (110)
Flow rate (l/min)	80	40-110	80	40-110
Pulse output (100/liter)	Yes	Yes	-	-
Power supply voltage	Three-phase 400/230V AC±10%	Three-phase 400/230V AC±10%	Three-phase 400/230V AC±10%	Three-phase 400/230V AC±10%
IP protection rating electronic head	IP54	IP54	IP54	IP54
IP protection rating hydraulic body	IP23	IP23	IP23	IP23
Temperature range of the liquid (°C)	-20/+50	-20/+50	-20/+50	-20/+50
Environment temperature range (°C)	-25/+55	-25/+55	-25/+55	-25/+55
Number of dispensing nozzles	1	2	1	2
Nozzle type	ZVA 25	ZVA 2slim line/ 25	ZVA 25	ZVA 2slim line/ 25
Type of pump	Gear pump	2 x Gear pump	Gear pump	2 x Gear pump
Meter type	Piston	2 x Piston	Piston	2 x Piston
Display	1-LCD White Black	1-LCD White Black	1-LCD White Black	1-LCD White Black
Compatible fluids	Biodiesel up to B100, Diesel, HVO/XTL			
Simultaneous dispensing	-	NO	-	NO

Don't know B.smart yet?
discover the PIUSI fuel management system

Scan the QR code

SELF SERVICE **HD**

B.SMART

The **Piusi Self Service HD Bsmart** version combines the robustness of the Self Service HD industrial mechanical structure with an **integrated fuel management system for complete** consumption control. In addition to ensuring high flow rates and operational continuity, the Bsmart system allows you to monitor every liter dispensed, identify users, record transactions and manage refueling digitally. This configuration is designed for private fleets, transport companies, construction sites, internal depots and organizations that require traceability, control and optimization of fuel consumption.

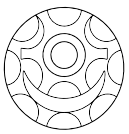
Available in 2 versions:

- 80 l/min with 1 nozzle
- 40/110 l/min with 2 nozzles

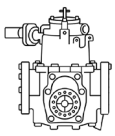
FEATURES:

- LCD display and electromechanical totalizer
- Integrated B.SMART management system
- Cloud software included
- 50 users included
- Access via App and Web App
- Inlet and outlet filter in stainless steel filters, easy to clean
- **MID 1383 certification**
- **ATEX II 2G IIA T3 EN 13617-1 certification**

The dispensers are supplied sealed and certified, with no need for further certifications or calibrations after purchase.

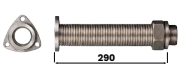
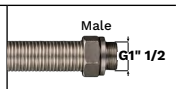
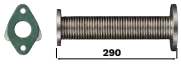
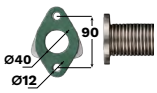
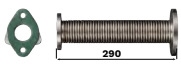
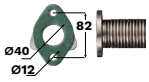


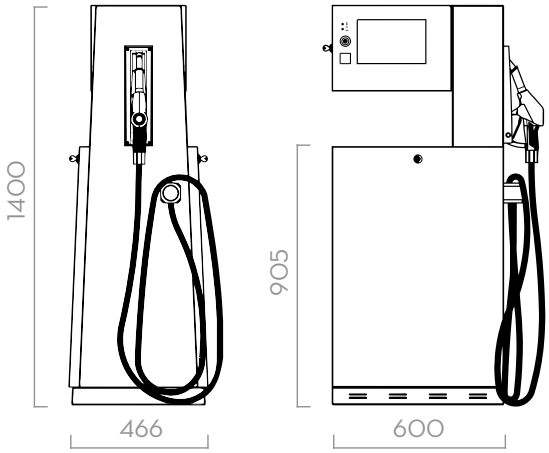
Gear Pump



Piston flow meter

Suction pipe (not included)

F12120020	Suction pipe Male G1 1/2"		
F12120030	Suction Pipe TW DN40 90-290mm		
F12120040	Suction Pipe TW DN40 82-290mm		



The dimensions shown refer equally to both configurations:
80 l/min version with 1 nozzle
40/110 l/min version with 2 nozzles.

Dimensions (mm)

SELF SERVICE **HD**

The **Piusi Self Service HD electromechanical** version is designed for heavy-duty industrial applications that require maximum robustness, operational continuity, and ease of use. Based on an industrial mechanical structure, it integrates: an LCD display, an electromechanical totalizer, a piston flow meter with pulse emitter and high-resistance components to ensure stable dispensing even under intensive working conditions.
It is ideal for private depots, private fleets, transport companies, and logistics operators who need a reliable, precise and immediate solution.

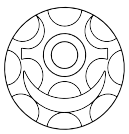
Available in 2 versions:

- 80 l/min with 1 nozzle
- 40/110 l/min with 2 nozzles

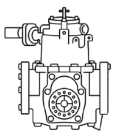
FEATURES:

- LCD display and electromechanical totalizer
- Pulse Out (100 pulses/liter)
- Inlet and outlet filter in stainless steel filters, easy to clean
- Plug & Play solutions
- **MID 1383 certification**
- **ATEX II 2G IIA T3 EN 13617-1 certification**

The dispensers are supplied sealed and certified, with no need for further certifications or calibrations after purchase.

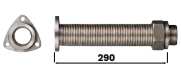
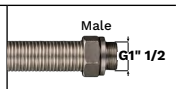
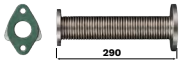
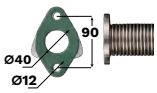
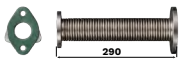
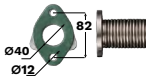


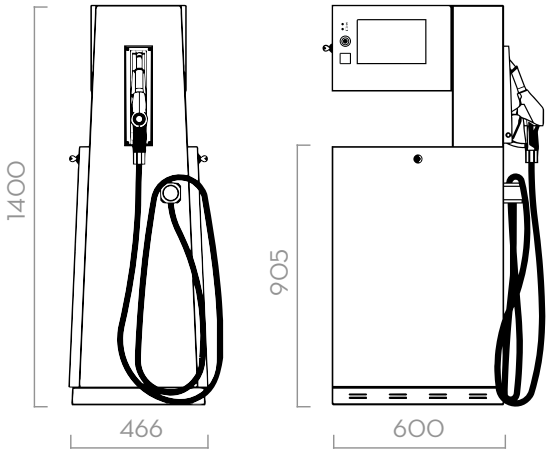
Gear Pump



Piston flow meter

Suction pipe (not included)

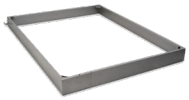
F12120020	Suction pipe Male G1 1/2"		
F12120030	Suction Pipe TW DN40 90-290mm		
F12120040	Suction Pipe TW DN40 82-290mm		



The dimensions shown refer equally to both configurations:
80 l/min version with 1 nozzle
40/110 l/min version with 2 nozzles.

Dimensions (mm)

ACCESSORIES ON REQUEST

Code	Description	
F00749100	**YELLOW infrared remote control for dispenser configuration**	
F00749250	**Spring mast for delivery hose Ø20** (Suitable with deliver hoses longer than 4,7 m only)	
F00749200	**Spring mast for delivery hose Ø25** (Suitable with deliver hoses longer than 4,7 m only)	
F08945020	**6m delivery hose Ø20 mm / 1” BSP** (with spring for spring mast: F00749250)	
F08945030	**8m delivery hose Ø25 mm / 1” BSP** (with spring for spring mast: F00749200)	
F00749300	**Base Frame**	
F14390090	**Breakaway safety coupling**	

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