

V25 TECHNICAL DATASHEET



PROFESSIONAL GRADE
PERFORMANCE

The **GPRO V25 Series** features a modular vane pump design suitable for mobile applications fueling large equipment.

25
GPM | **94**
L/min

12V & 24V DC
Voltage (Power Source)



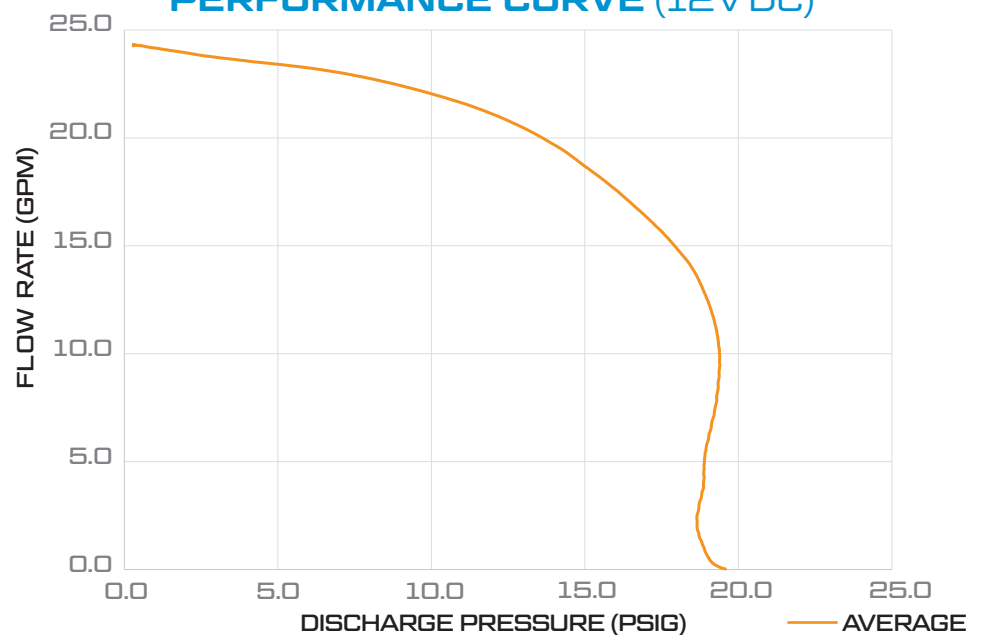
WETTED MATERIALS (ALL MODELS)

Housing & Cover Plates:	Cast Iron & Aluminum
Rotor & Motor Shaft:	Steel
Vane:	Carbon
Check Valve & Strainer Mesh:	PBT / Polyester
Poppet Valve:	Acetal
Seals:	NBR, FKM

SPECS (ALL MODELS)

Max. Flow Rate:	25 GPM 94 L/min
Max. Discharge Pressure:	Up to 20 PSI (1.38 bar)
Dry Vacuum:	12 in. Hg
At Sea Level 70° F (21.1° C)	Suction Lift: Up to 15 ft. (4.5 m)
	Discharge Lift: 18 ft. (5.5 m)
Warranty:	Limited Lifetime Warranty

PERFORMANCE CURVE (12V DC)



V25 SERIES MODEL NUMBERS

Example:

V25-012PO-N08+XT

V	25	-	012	PO	-	N08	+	XT
Type	Flow Rate	-	Voltage	Option	-	Thread	+	Special Use

Pump Type
V Vane Pump

Flow Rate
25 GPM

Voltage
012 V (DC)
024 V (DC)

Option
AD Automatic Diesel Nozzle
PO Pump Only
PC Pump Only With Power Cord

Thread Type/Size
(Blank) NPT 1"
N08 NPT 1"
B08 BSPP 1"

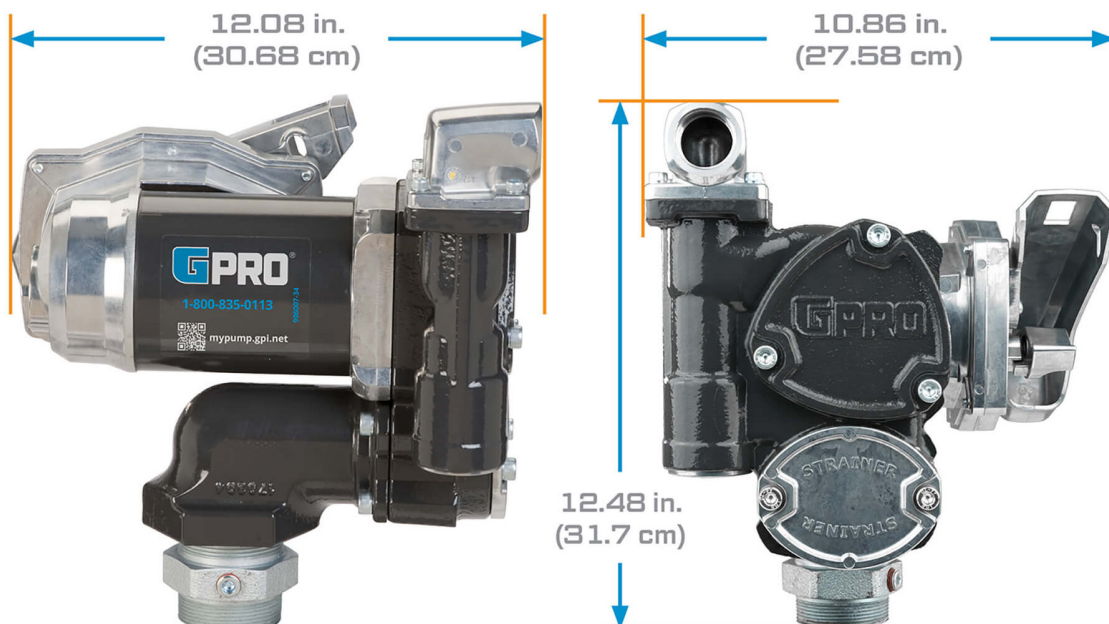
Special Use
(Blank) None
XT Extreme Temperature

SPECS (ALL MODELS)

Motor HP:	0.41
Motor RPM:	1620
Duty Cycle:	30 min. on/30 min. off
Motor Protection:	30 Minute Timer Circuit and Voltage Detection
Power Cord:	18 ft., 10/2 AWG*

*Not included on PO Models.
Refer to manual for wiring instructions.

DIMENSIONS



	170000-01 V25-012PO-N08	170000-05 V25-012PO-N08+XT	170000-11 V25-012PO-B08	170000-09 V25-012PC-N08	170000-03 V25-012AD	170000-06 V25-012AD+XT
Voltage, Input:	12V (DC)					
Amps (Rated):	35 Amps					
Fluid Statement:	Gasoline up to E15, Diesel Fuel up to B20, Kerosene, (Avgas 100LL), Jet A and Jet A-1*				Gasoline up to E15, Diesel Fuel up to B20, Kerosene	
Approvals:	CULus Listed, Class 1 Div 1			cULus Listed, Class 1 Div 2		

	170001-01 V25-024PO-N08	170001-08 V25-024PO-B08	170001-03 V25-024AD
Voltage, Input:	24V (DC)		
Amps (Rated):	18 Amps		
Fluid Statement	Gasoline up to E15, Diesel Fuel up to B20, Kerosene, (Avgas 100LL), Jet A and Jet A-1*		Gasoline up to E15, Diesel Fuel up to B20, and Kerosene
Approvals	cULus Listed, Class 1 Div 1		cULus Listed, Class 1 Div 2

**For ground-based refueling only. Do not use in or on the aircraft. For use with aviation gasoline (Avgas 100LL), Jet A, and Jet A-1. User should consult NFPA 407 Standard for Aircraft Fuel Servicing for safety requirements during ground fuel servicing of aircraft using liquid petroleum fuels. This product has no actual or implied compliance with this standard. Owners and operators are responsible for compliance to all applicable regulations.*

Part No.	Description				What's in the Box						
170000-01	PUMP, FUEL 12V, 25 GPM, PUMP ONLY 1"				V25-012PO Fuel transfer pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual						
Model V25-012PO-N08											
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type	
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. MNPT	Not Included	1 in. FNPT	1 in. FNPT	– Not Included –			– Not Included –		Lockable With Spout Guard	

Part No.	Description				What's in the Box						
170000-03	PUMP, FUEL 12V, 25 GPM, AUTO 1"				V25-012AD Fuel transfer pump, Automatic shut-off diesel nozzle, Dispensing hose, Factory-installed power cord, Ring terminals, Telescoping suction pipe, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual						
Model V25-012AD											
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type	
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. MNPT	Telescoping Suction Pipe	1 in. FNPT	1 in. FNPT	18 ft. (5.5m)	1 in. MNPT	N/A	1 in. FNPT, Inlet	Automatic Shut-off, Diesel	Lockable With Spout Guard	

Part No.	Description				What's in the Box						
170000-09	PUMP, FUEL 12V, 25 GPM, PUMP ONLY 1", WITH POWER CORD				V25-012PC Fuel transfer pump, Factory-installed power cord, Ring terminals, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual						
Model V25-012PC-N08											
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type	
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. MNPT	Telescoping Suction Pipe	1 in. FNPT	1 in. FNPT	– Not Included –			– Not Included –		Lockable With Spout Guard	

Part No.	Description				What's in the Box						
170000-05	PUMP, FUEL 12V, 25 GPM, PUMP ONLY 1", XT				V25-012PO-N08+XT Fuel transfer pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual						
Model V25-012PO-N08+XT											
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type	
-40° F to 125° F (-40° C to 52° C)	Direct Mount, 2 in. MNPT	Not Included	1 in. FNPT	1 in. FNPT	– Not Included –			– Not Included –		Lockable With Spout Guard	

Part No.	Description				What's in the Box						
170000-06	PUMP, FUEL 12V, 25 GPM, AUTO 1", XT				V25-012AD+XT Fuel transfer pump, Lockable nozzle holder, Automatic shut-off diesel nozzle, Dispensing hose, Factory-installed power cord, Ring terminals, Telescoping suction pipe, Modular outlet fitting w/hardware, Tank adapter, Fuse assembly, Owners manual						
Model V25-012AD+XT											
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type	
-40° F to 125° F (-40° C to 52° C)	Direct Mount, 2 in. MNPT	Telescoping Suction Pipe	1 in. FNPT	1 in. FNPT	18 ft. (5.5m)	1 in. MNPT	N/A	1 in. FNPT, Inlet	Automatic Shut-off, Diesel	Lockable With Spout Guard	

Part No.	Description	What's in the Box								
170000-11	PUMP, FUEL 12V, 25 GPM, PUMP ONLY 1" BSPP	V25-012PO-B08 Fuel transfer pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual								
Model V25-012PO-B08										
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. BSPT	Not Included	1 in. BSPP	1 in. BSPP	– Not Included –			– Not Included –		Lockable With Spout Guard

Part No.	Description	What's in the Box								
170001-01	PUMP, FUEL 24V, 25 GPM, PUMP ONLY 1"	V25-024PO Fuel transfer pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual								
Model V25-024PO-N08										
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. MNPT	Not Included	1 in. FNPT	1 in. FNPT	– Not Included –			– Not Included –		Lockable With Spout Guard

Part No.	Description	What's in the Box								
170001-03	PUMP, FUEL 24V, 25 GPM, AUTO 1"	V25-024AD Fuel transfer pump, Automatic shut-off diesel nozzle, Dispensing hose, Factory-installed power cord, Telescoping suction pipe, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual								
Model V25-024AD										
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. MNPT	Telescoping Suction Pipe	1 in. FNPT	1 in. FNPT	18 ft. (5.5m)	1 in. MNPT	N/A	1 in. FNPT, Inlet	Automatic Shut-off, Diesel	Lockable With Spout Guard

Part No.	Description	What's in the Box								
170001-08	PUMP, FUEL 24V, 25 GPM, PUMP ONLY 1" BSPP	V25-024PO-B08 Fuel transfer pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owners manual								
Model V25-024PO-B08										
Operating Temperature	Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Hose Approvals	Nozzle Size	Nozzle Type	Nozzle Holder Type
-20° F to 125° F (-29° C to 52° C)	Direct Mount, 2 in. BSPT	Not Included	1 in. BSPP	1 in. BSPP	– Not Included –			– Not Included –		Lockable With Spout Guard