V20 TECHNICAL DATASHEET

PROFESSIONAL GRADE PERFORMANCE

The GPRO V20 Series features a modular vane pump design suitable for stationary applications fueling large equipment.

20 GPM | 76 L/min — **115V/230V AC** *Dual Voltage Configurable*



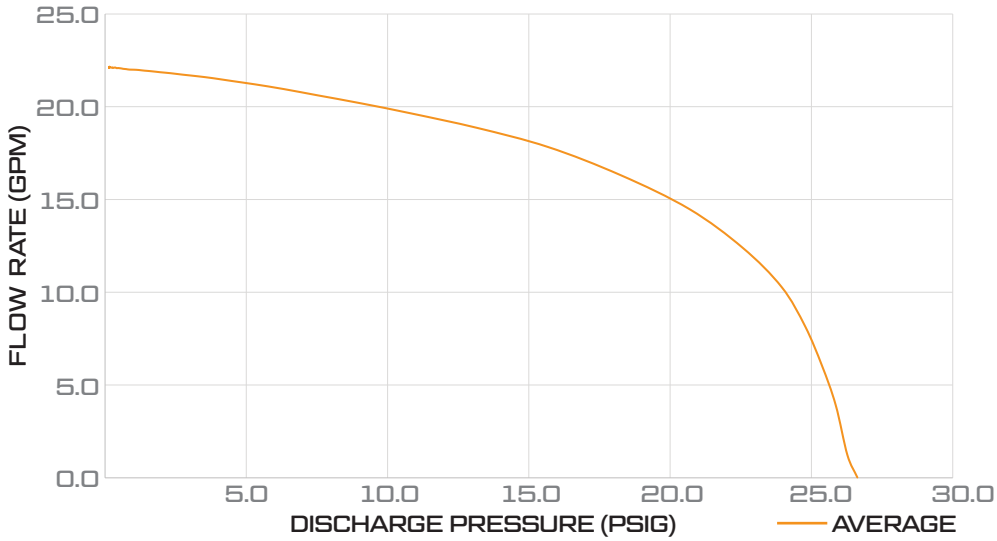
WETTED MATERIALS (ALL MODELS)

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:		20 GPM | 76 L/min
Max. Discharge Pressure:		Up to 25 PSI (1.72 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 (115VAC)



V20 SERIES MODEL NUMBERS

Example:
V20-115PO+QM40-G8N

V	20	-	115	PO	-		+	QM40-G8N	+	
Type	Flow Rate	-	Voltage	Option	-	Thread	+	Accessory	+	Special Use

Pump Type

V	Vane Pump

Flow Rate

20	GPM

Voltage

115	V (AC)
230	V (AC)

Option

AD	Automatic Diesel Nozzle
AU	Automatic Unleaded Nozzle
MU	Manual Unleaded Nozzle
PO	Pump Only
RD	Remote Dispenser Pump

Thread Type/Size

(Blank)	NPT 1"
N08	NPT 1"
N06	NPT ¾"
B08	BSPP 1"
B06	BSPP ¾"

Accessory

(Blank)	None
M30-G8N	Meter, Gallon, 1" NPT
M30-L8N	Meter, Litre, 1" NPT
QM40-G8N	Meter, Gallon, 1" NPT
QM40-L8N	Meter, Litre, 1" NPT

Special Use

(Blank)	None
XT	Extreme Temperature

GREAT PLAINS INDUSTRIES GPI

V20 MOTOR SPECS

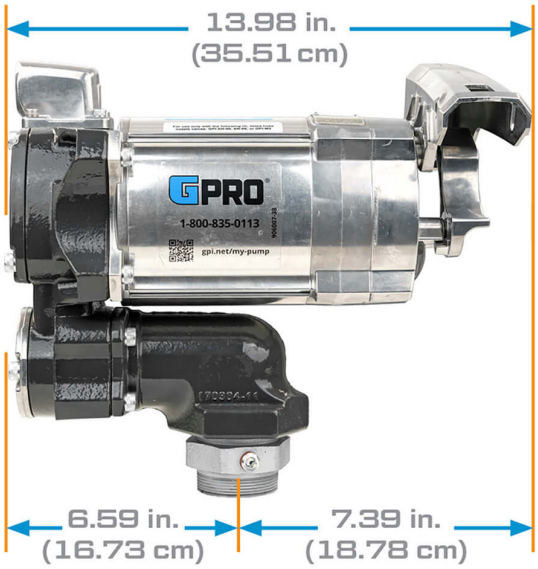
PROFESSIONAL GRADE PERFORMANCE

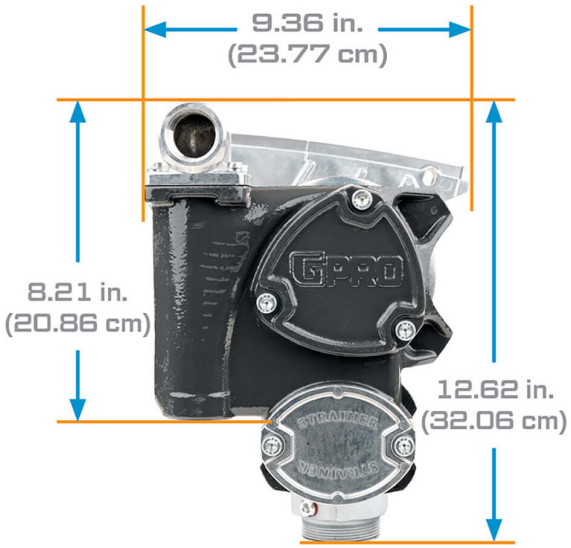
SPECS (ALL MODELS)

Motor HP:	0.50
Motor RPM:	1690
Duty Cycle:	30 min. on/30 min. off
Motor Protection:	Thermal Breaker (Automatically Resets)
Power Cord:	Not Included

Refer to manual for wiring instructions

DIMENSIONS





	171000-01 V20-115**PO-N08**	**171001-01** V20-115**PO-N06**	**171000-05** V20-115**RD-N08**	**171000-51** V20-115**PO-N08+XT**	**171000-53** V20-115**AD+XT**	**171000-03** V20-115**AD**	**171001-03** V20-115**AU**
Voltage, Input:	115V (AC) 60Hz, 230V (AC) 50/60Hz						
Amps (Rated) 60Hz:	115V (AC) 5.5 Amp | 230V (AC) 2.8 Amp						
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 Motor Listed for Hazardous Locations Class I, Division 2, Group D USA and Canada cULus Power-Operated Pumps for Petroleum Products						

**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.*

V20 PUMP SPECS

GPRO®
PROFESSIONAL GRADE
PERFORMANCE

Part No.	Description	What's in the Box
171000-01 **Model** V20-115PO-N08	**PUMP, FUEL 115V 20 GPM, PUMP ONLY, 1"**	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual

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

Part No.	Description	What's in the Box
171000-03 **Model** V20-115AD	**PUMP, FUEL 115V 20 GPM, AUTO, 1"**	**V20-115AD** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off diesel nozzle, Dispensing hose,1-inch modular outlet fitting w/hardware, Tank adapter,Thread tape, Owner's manual

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	18 ft. (5.5m)	1 in. MNPT	UL Listed	1 in. FNPT, Inlet	Automatic Shut-off, Diesel	Lockable

Part No.	Description	What's in the Box
171000-51 **Model** V20-115PO-N08+XT	**PUMP, FUEL 115V 20 GPM, PUMP ONLY, 1", XT**	**V20-115PO+XT** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual

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

Part No.	Description	What's in the Box
171000-53 **Model** V20-115AD+XT	**PUMP, FUEL 115V 20 GPM, AUTO, 1", XT**	**V20-115AD+XT** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off diesel nozzle, Dispensing hose,1-inch modular outlet fitting w/hardware, Tank adapter,Thread tape, Owner's manual

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	18 ft. (5.5m)	1 in. MNPT	UL Listed	1 in. FNPT, Inlet	Automatic Shut-off, Diesel	Lockable

Part No.	Description	What's in the Box
171001-01 **Model** V20-115PO-N06	**PUMP, FUEL 115V 20 GPM, PUMP ONLY, ¾"**	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, ¾-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual

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	¾ in. FNPT	– Not Included –			– Not Included –		Lockable

V20 PUMP SPECS

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Part No.	Description	What's in the Box
171001-03 **Model** V20-115AU	**PUMP, FUEL 115V 20 GPM, AUTO UNLEADED, ¾"**	**V20-115AU** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off unleaded nozzle, Dispensing hose,¾-inch modular outlet fitting w/hardware, Tank adapter,Thread tape, Owner's manual

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	¾ in. FNPT	18 ft. (5.5m)	¾ in. MNPT	UL Listed	¾ in. FNPT, Inlet	Automatic Shut-off, Unleaded	Lockable

Part No.	Description	What's in the Box
171000-05 **Model** V20-115RD-N08	**PUMP, FUEL 115V 20 GPM, REMOTE DISPENSER**	**V20-115RD** 115V AC 20 GPM Fuel Transfer Pump, Lever lock bracket w/hardware, 1-inch modular outlet fitting w/hardware, NPT-threaded Tank adapter, Thread tape, Owner's manual

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

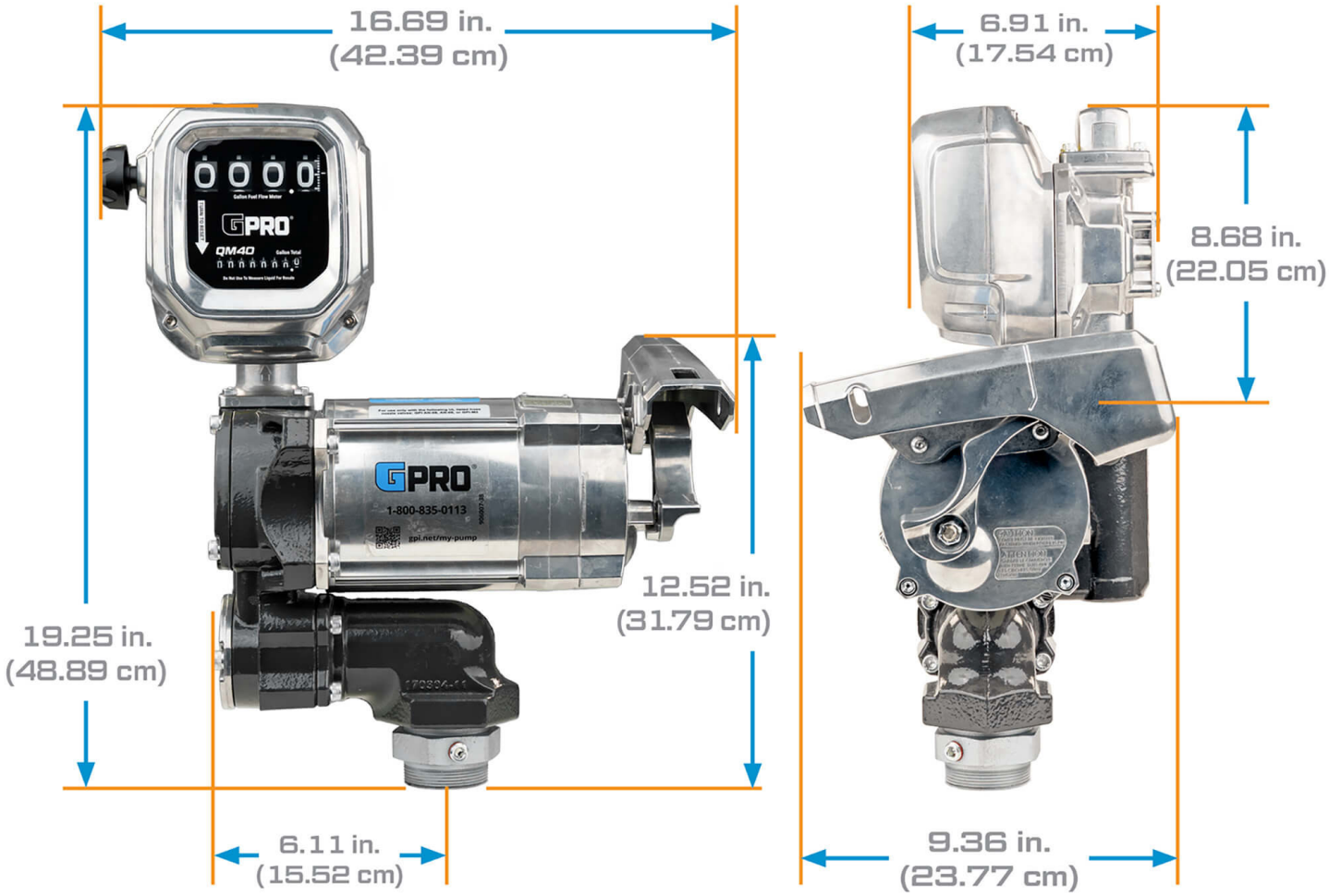
Part No.	Description	What's in the Box
171000-06 **Model** V20-230PO-B08	**PUMP, FUEL 230V 20 GPM, PUMP ONLY, 1" BSPP**	**V20-230PO** 230V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual

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

V20 PUMP SPECS
PUMP AND METER COMBOS

GPRO® PROFESSIONAL GRADE PERFORMANCE

V20+QM40



Part No.	Description	What's in the Box
171050-01	COMBO GALLONS PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, GALLONS, 1"	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual **QM40-G8N** Fuel meter with gallon register, Hardware, Owner's manual
Model		
V20-115PO+QM40-G8N		

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

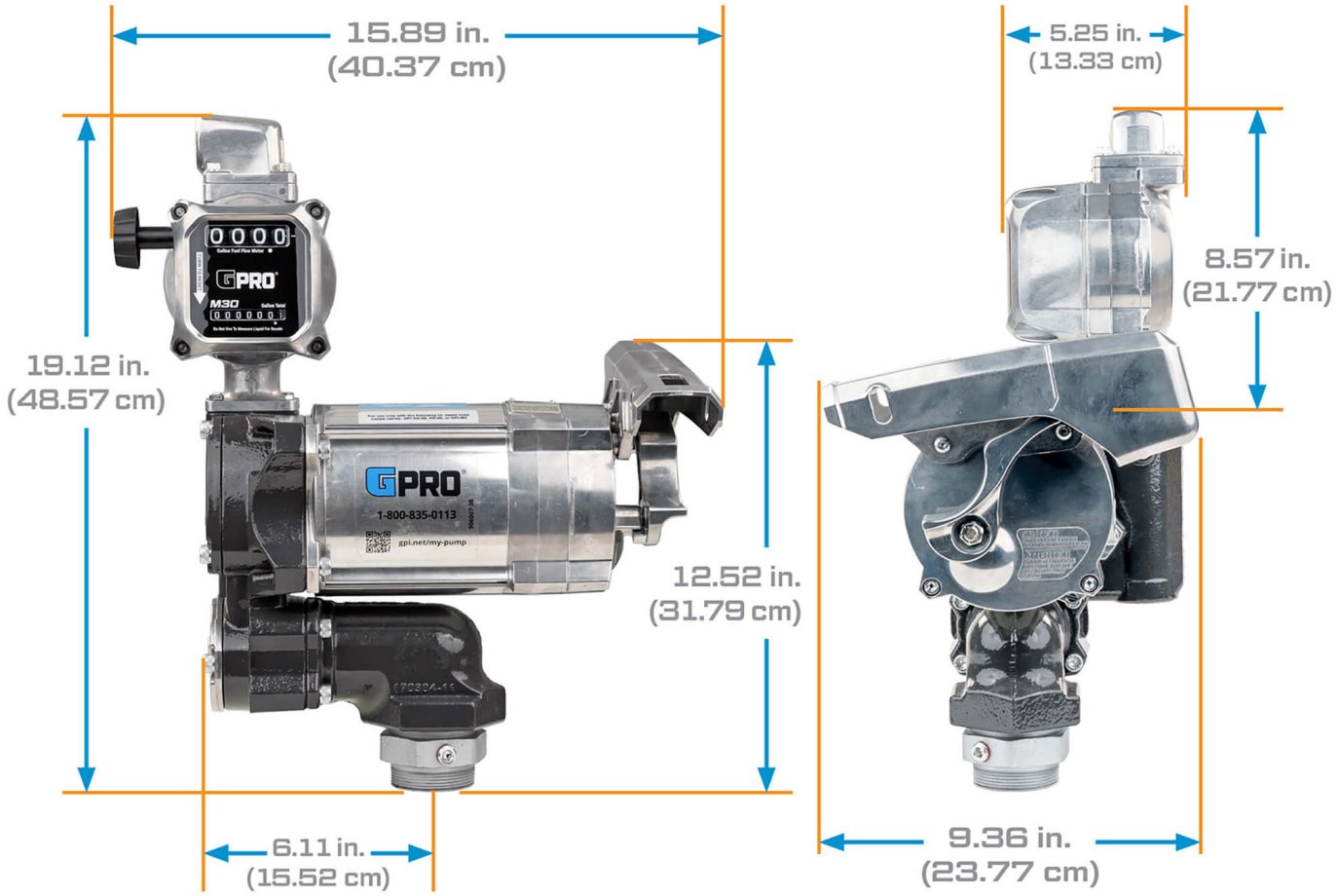
Part No.	Description	What's in the Box
171050-02	COMBO LITRES PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, LITRES, 1"	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual **QM40-L8N** Fuel meter with litre register, Hardware, Owner's manual
Model		
V20-115PO+QM40-L8N		

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

V20 PUMP SPECS
PUMP AND METER COMBOS

V20+M30

PROFESSIONAL GRADE PERFORMANCE



Part No.	Description	What's in the Box
171030-01	COMBO GALLONS PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, GALLONS, 1"	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual. **M30-G8N-PRO** Fuel meter with gallon register, Hardware, Owner's manual
Model		
V20-115PO+M30-G8N		

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

Part No.	Description	What's in the Box
171030-02	COMBO LITRES PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, LITRES, 1"	**V20-115PO** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual. **M30-L8N-PRO** Fuel meter with litre register, Hardware, Owner's manual
Model		
V20-115PO+M30-L8N		

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

V20 PUMP SPECS
PUMP AND METER COMBOS

GPRO® PROFESSIONAL GRADE PERFORMANCE

V20+QM40 *continued*

Part No.	Description	What's in the Box
171050-06 **Model** V20-115AD+QM40-G8N	COMBO GALLONS PUMP, FUEL, 115V, 20 GPM, AUTO, METER, FUEL, GALLONS, 1"	**V20-115AD** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off diesel nozzle, Dispensing hose, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual **QM40-G8N** Fuel meter with gallon register, Hardware, Owner's manual

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	18 ft. (5.5m)	1 in. MNPT	UL Listed	1 in. FNPT Inlet	Automatic Shut-off, Diesel	Lockable

Part No.	Description	What's in the Box
171050-07 **Model** V20-115AD+QM40-L8N	COMBO LITRES PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, LITRES, 1"	**V20-115AD** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off diesel nozzle, Dispensing hose, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual **QM40-L8N** Fuel meter with litre register, Hardware, Owner's manual

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	18 ft. (5.5m)	1 in. MNPT	UL Listed	1 in. FNPT Inlet	Automatic Shut-off, Diesel	Lockable

V20+M30 *continued*

Part No.	Description	What's in the Box
171031-04 **Model** V20-115MU+M30-G8N	COMBO GALLONS - PUMP, FUEL, 115V, 20 GPM, MANUAL UNLEADED, METER, FUEL, GALLONS, ¾"	**V20-115MU** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Manual unleaded nozzle, Dispensing hose, ¾-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual. **M30-G8N-PRO** Fuel meter with gallon register, Hardware, Owner's manual

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	¾ in. FNPT	12 ft. (3.7 m)	¾ in. MNPT	UL Listed	¾ in. FNPT Inlet	Manual Shut-off, Unleaded	Lockable

Part No.	Description	What's in the Box
171031-05 **Model** V20-115MU+M30-L8N	COMBO LITRES - PUMP, FUEL,115V, 20 GPM, MANUAL UNLEADED, METER, FUEL, LITRES, ¾"	**V20-115MU** 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Manual unleaded nozzle, Dispensing hose, ¾-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual. **M30-L8N-PRO** Fuel meter with litre register, Hardware, Owner's manual

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	¾ in. FNPT	12 ft. (3.7 m)	¾ in. MNPT	UL Listed	¾ in. FNPT Inlet	Manual Shut-off, Unleaded	Lockable