

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



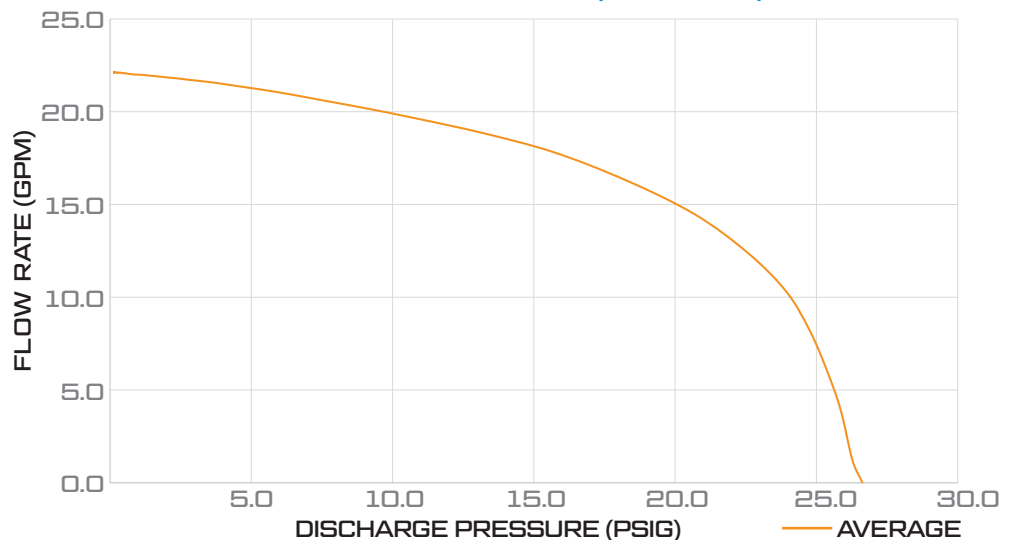
WETTED MATERIALS (ALL MODELS)

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

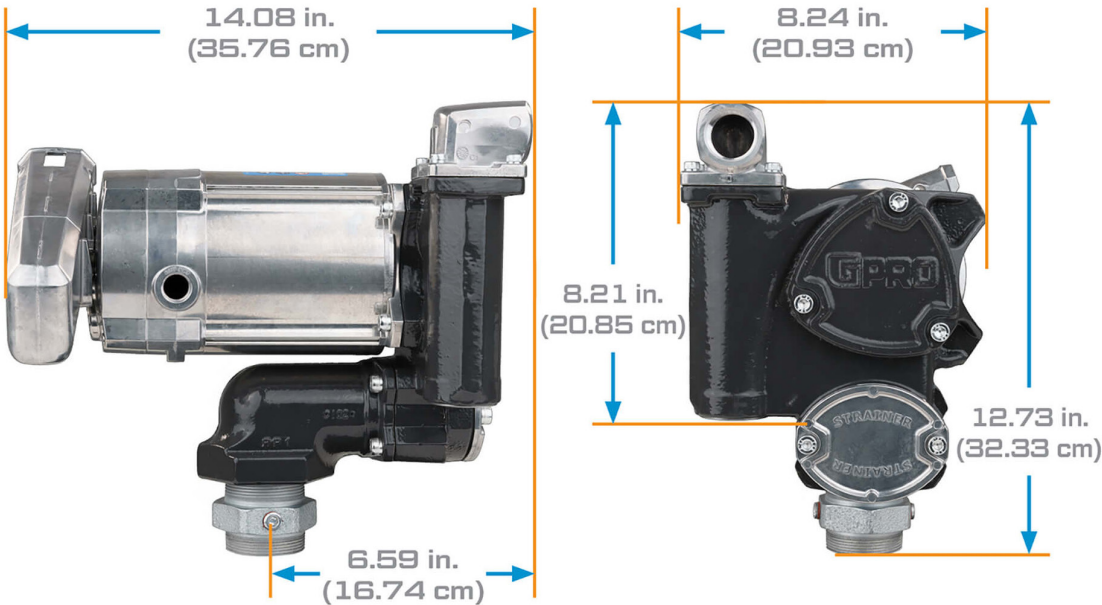
Pump Type		Flow Rate		Voltage		Option		Thread Type/Size		Accessory		Special Use	
V	Vane Pump	20	GPM	115	V (AC)	AD	Automatic Diesel Nozzle	(Blank)	NPT 1"	(Blank)	None	(Blank)	None
				230	V (AC)	AU	Automatic Unleaded Nozzle	N08	NPT 1"	M30-G8N	Meter, Gallon, 1" NPT	XT	Extreme Temperature
						MU	Manual Unleaded Nozzle	N06	NPT ¾"	M30-L8N	Meter, Litre, 1" NPT		
						PO	Pump Only	B08	BSPP 1"	QM40-G8N	Meter, Gallon, 1" NPT		
						RD	Remote Dispenser Pump	B06	BSPP ¾"	QM40-L8N	Meter, Litre, 1" NPT		

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 V20-115PO-N08	171001-01 V20-115PO-N06	171000-05 V20-115RD-N08	171000-51 V20-115PO-N08+XT	171000-53 V20-115AD+XT	171000-03 V20-115AD	171001-03 V20-115AU
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.*

Part No.	Description	What's in the Box								
171000-01	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								
Model										
V20-115PO-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

Part No.	Description	What's in the Box								
171000-03	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								
Model										
V20-115AD										
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	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								
Model										
V20-115PO-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

Part No.	Description	What's in the Box								
171000-53	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								
Model										
V20-115AD+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	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	PUMP, FUEL 115V 20 GPM, PUMP ONLY, 3/4"	V20-115PO 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 3/4-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual								
Model										
V20-115PO-N06										
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	3/4 in. FNPT	– Not Included –			– Not Included –		Lockable

Part No.	Description	What's in the Box								
171001-03	PUMP, FUEL 115V 20 GPM, AUTO UNLEADED, 3/4"	V20-115AU 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, Auto shut-off unleaded nozzle, Dispensing hose, 3/4-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual								
Model										
V20-115AU										
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	3/4 in. FNPT	18 ft. (5.5m)	3/4 in. MNPT	UL Listed	3/4 in. FNPT, Inlet	Automatic Shut-off, Unleaded	Lockable

Part No.	Description	What's in the Box								
171000-05	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								
Model										
V20-115RD-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

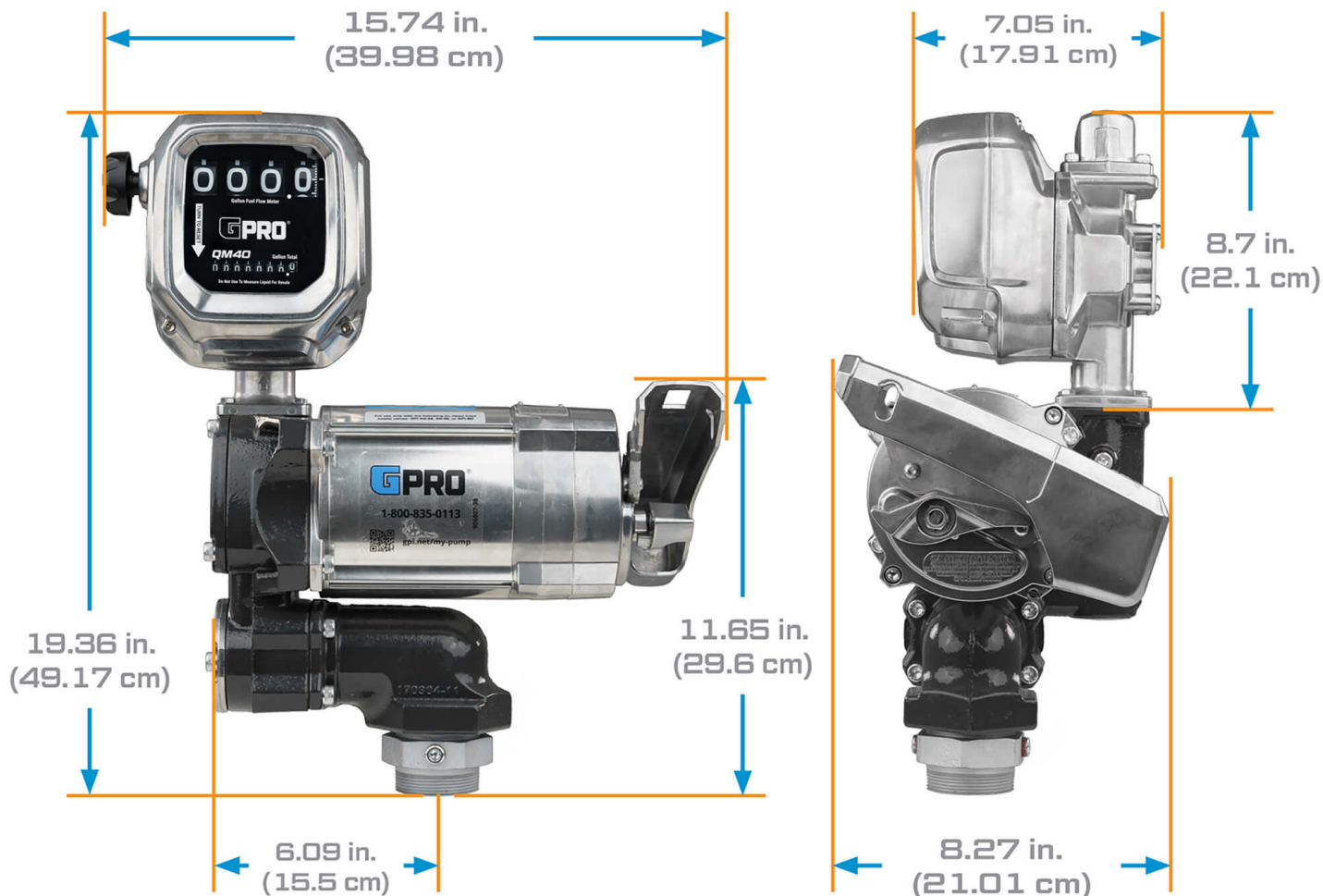
Part No.	Description	What's in the Box								
171000-06	PUMP, FUEL 230V 20 GPM, PUMP ONLY, 1" BSPP	V20-230PO 230V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual								
Model										
V20-230PO-B08										
Operating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

V20 PUMP SPECS PUMP AND METER COMBOS

V20+QM40



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Part No.	Description									
171050-01	COMBO GALLONS									
Model	PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, GALLONS, 1"									
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

What's in the Box
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

Part No.	Description									
171050-02	COMBO LITRES									
Model	PUMP, FUEL, 115V, 20 GPM, PUMP ONLY, METER, FUEL, LITRES, 1"									
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

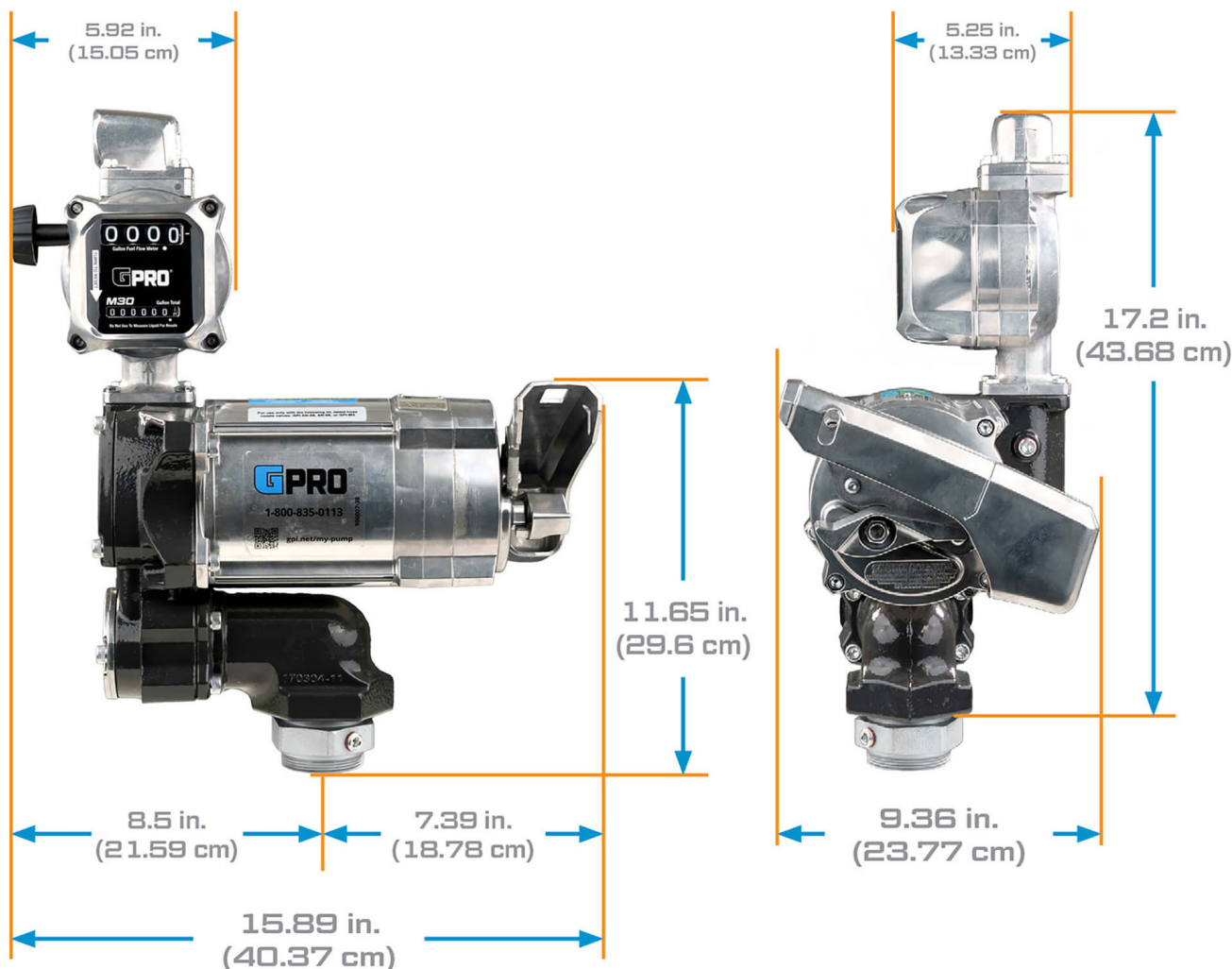
What's in the Box
V20-115PO 115V AC 20 GPM Fuel Transfer Pump, Nozzle cover, 1-inch modular outlet fitting w/hardware, Tank adapter, Thread tape, Owner's manual
QM40-L8N Fuel meter with litre register, Hardware, Owner's manual

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+QM40 *continued*

Part No.	Description						What's in the Box				
171050-06	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				
Model											
V20-115AD+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	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	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				
Model											
V20-115AD+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	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	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				
Model											
V20-115MU+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	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	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				
Model											
V20-115MU+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	¾ in. FNPT	12 ft. (3.7 m)	¾ in. MNPT	UL Listed	¾ in. FNPT Inlet	Manual Shut-off, Unleaded	Lockable	