Parts & Accessories > Pumps (Water Pumps) > Pumptec > Pumptec Pump Head Only > Pumptec 81401 217V Pump Motor Assembly 120V | Replaces PowrFlite X1981 Kaivac 81275 81662 GTIN 10679065071217

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Model Number: 81401

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Manufacturer: Pumptec

Pumptec 81401 217V Pump Motor Assembly – 120 Volt Replacement for PowrFlite X1981 & Kaivac Systems. US Products 27PV
The Pumptec 81401 217V Pump Motor Assembly is a commercial-duty 120 volt plunger pump system designed for carpet extractors, Kaivac cleaning machines, pressure cleaning equipment, tile cleaning tools, and industrial spraying systems. This complete assembly replaces PowrFlite X1981, Pumptec 81275, and Pumptec 81662 while providing up to 500 PSI operating pressure and approximately 1.5 GPM open flow performance.
This Pumptec pump and motor assembly is commonly used in commercial cleaning, restroom sanitation systems, chemical application equipment, and portable extraction machines requiring reliable continuous-duty performance.

Common Applications

- Carpet cleaning extractors
- Tile and grout cleaning machines
- Kaivac restroom cleaning systems
- Portable pressure cleaning equipment
- Industrial spraying systems
- Pest control and chemical application systems
- Portable commercial cleaning equipment
- Auto detailing extractors
- Portable sanitizing systems

Compatible and Replacement Part Numbers

Replaces	Description
PowrFlite X1981	OEM replacement pump motor assembly

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Pumptec 81275
Earlier Pumptec configuration replacement

Pumptec 81662
Compatible replacement assembly

Kaivac PM217
Requires original faceplate transfer for front-port applications

0205-1000-0006
Cross reference number

81401
Current Pumptec assembly number

Technical Specifications

Specification	Details
Manufacturer	Pumptec
Part Number	81401
Pump Series	217V
Voltage	120 Volt AC

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Maximum Pressure
500 PSI

Open Flow
1.5 GPM

Motor Speed
2000 RPM

Inlet Ports
Dual 1/4" NPT Female

Discharge Ports
Dual 1/4" NPT Female

Seal Material
Buna

Plunger Material
305 Stainless Steel

Pump Body Material
Anodized Aluminum

Maximum Fluid Temperature
140°F

GTIN
10679065071217

Important Kaivac Installation Note
When replacing older Kaivac front-port pump systems, the original front faceplate

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from the existing assembly may need to be transferred onto this replacement pump motor assembly to maintain proper hose routing and machine fitment.

Why Buy From Steam-Brite?

- Commercial cleaning equipment specialists since 1987
- Correct industrial replacement part identification
- Trusted source for Pumptec replacement systems
- Extensive compatibility cross-reference support
- Fast order processing and shipment
- Technical support available for equipment matching

Frequently Asked Questions

Can the head be flipped over?
Yes. The you can unbolt the head from the motor and flip over 180 degree to move the suction ports to the top and the pressure ports to the bottom.
Will this replace PowrFlite X1981?
Yes. The Pumptec 81401 is commonly used as a direct replacement for PowrFlite X1981 pump motor assemblies.
Can this be used in Kaivac cleaning machines?
Yes. For Kaivac front-port configurations, re-use the original front faceplate from the existing pump assembly if required.
What pressure does this pump produce?
The Pumptec 81401 operates up to 500 PSI with approximately 1.5 GPM open flow.
Is this a complete motor and pump assembly?
Yes. This listing includes both the Pumptec plunger pump and electric motor assembly.
What industries commonly use this pump?
This pump is commonly used in commercial carpet cleaning, tile cleaning, restroom sanitation systems, pest control spraying, and industrial cleaning equipment.

Related Search Terms
Pumptec 81401, Pumptec 217V, Pumptec pump motor assembly, PowrFlite X1981 replacement, Kaivac pump replacement, 500 PSI plunger pump, carpet extractor pump motor, Pumptec 81275 replacement, Pumptec 81662 replacement, commercial cleaning machine pump, Pumptec 120V pump motor assembly.

Build consist of:

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Pumptec 217V Pump Head Only 60063 (Side Ports) Kaivac

Please note to use as a replacement on a Kaivac you will have to re-use the pump front face plate off the original pump.

Note the original is a 2 port head and this is a side port in and out connection.

The front place is easy to change out by just removing the two bolts on the rear of the pump head.

Compare to Kaivac PM217 and US Products 27PV

Pumptec: Repair Kit "C" Cam Bearing for 400-500 Psi Models 204V, 205V, 207V, 217V .085 Stroke Replaces 0100-6005-0095

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Pumptec: M9253F Motor Only Replaces the Old M53
or similar
Note in 2026 Pumptec is using some M9253 Motors that have built in bridge rectifiers.
If you end up with a M9253 stamped on the motor, you will notice the wire are no longer red/black but now white/black and ready to hook to 120 volt AC current directly. No bridge rectifier needed and should not be used.

Bridge Rectifier for Edic, PumpTec, Burnishers, & More

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Pumptec Kit, Base Mounting Plate / Bracket For M20/M53/M54 Motors

Note: to use in a Kaivac cleaning machine you just un-bolt the front head and re-use the front head face plate from your original pump.
This way the water goes in and out through the front and not the sides.
This is super easy to do, as you just remove the head from the motor and then remove the two bolts on the back of the pump to remove the front face plate off the pump.
The above procedure will save you over $200 over purchasing the same pump with the pre-drilled and tapped holes in the front of the pump.

Compare to: Kaivac PUMPSPARE217
0205-1000-0006
Powrflite X1981

Part Number
81401

Max Pressure (psi)
500

Open Flow (gpm)
1.5

Seals
V-Ring

O-rings
Buna

Plunger
305 SS

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Inlet Ports
(2) - 1/4" NPT (F)

Discharge Ports
(2) - 1/4" NPT (F)

Max Fluid Temp. (â„‰)
140

RPM
2000

Body
Anodized Aluminum

Valves
Stainless Steel

Color
Gold

Fasteners
Stainless Steel

Optional

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Reducing Street Brass Elbow 3/8 Fip X 1/4 Mip Forged 28263

If you’re upgrading from a 204v, 205V, or 207V pump head to a 217V pump head, you’ll need to add up to four brass adapters.

The 204v, 205V/207V models all use 3/8" water ports, while the 217V is designed with 1/4" ports.

Water connections on the above discontinued pumps all faced to the rear/towards the motor. The 217V faces to the side so the 28263 90 degree reducing elbows are the most likely adapters you will need.

Clean Storm BR166, 1/4in Mip X 3/8in Fip Brass Adapter Reducing, 9.804-007.0, Kaivac CPS21, 28193

Clean Storm 28094, 1/4" MIP Brass Countersunk Hex Plug

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Convert your 500 psi carpet cleaning machine into a tile cleaning machine.
Clean Storm Rhino Grout Master Cleaning Tile Cleaning Tool 300psi - 1200 psi Edging Wand 20190919
Videos On Link!

Replaces discontinued Pumptec 81275 Series 207V 085/M9253F 120v 4 - 3/8in PORTS 600Psi 8.620-105.0 250-74 80547 G13102 Now 81401
Pump 81275 is going to be discontinued in 2026 and replaced with this 81401 assembly.

https://www.sprayerdepot.com/products/pumptec-217v-085-m9253f-120v-pump-motor $446.21 free shipping -->

Availability: This product was added to our catalog on Monday 06 July, 2015

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