

HYPER FORCE

RAZOR



Washworld's Razor HyperForce is engineered with dual high pressure spray arch manifolds that have specific alternating VeeJet nozzle placement for complete coverage. The HyperForce pump station includes a 40HP high efficiency motor driving a CAT 3545HS making it capable of 1500 psi @ 36 GPM. These features provide the ultimate cleaning and customer experience that will set you apart from the competition.

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WHAT MAKES RAZOR HYPERFORCE DIFFERENT?

HYPFORCE SPRAY ARCH

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Razor HyperForce dual high pressure spray arch manifolds consist of 25 VeeJet nozzles (7 on the top manifolds, 6 on the angled side manifolds, 12 on the lower side manifolds) with alternating nozzle placement for complete coverage and superior cleaning.

HYPFORCE SPRAY ARCH COVER

The vibrant blue, rotationally molded polyethylene arch cover catches the eye of the customer. The arch face cover incorporates dual cross-linked polyethylene for nozzle protection. The face cover can easily be replaced or removed for direct access to the VeeJet nozzles.

VISORCLEAN

Stainless steel VeeJet nozzles are strategically placed on the angled side manifolds of the spray arch to clean even the hardest places...under the rear window visor!



ALTERNATING NOZZLE PLACEMENT



WW^{exclusive} FLEX PASS[®] ULTRA

High performance arc shaped stainless steel manifolds with 6 stainless steel VeeJet nozzles per side and an overhead 6 nozzle stainless steel manifold delivery system applies up to 8 different applications to the entire vehicle (top, sides, front and rear). Flex Pass[®] Ultra is designed to extend the range of product applications allowing complete coverage of both high and low-profile vehicles...Flex Pass Ultra has you covered! Each product can be applied to the vehicle in a single pass. Anything that can be put through the arch can be put through the Flex Pass Ultra. Applications can be programmed from front to rear or rear to front, minimizing machine movement. Speeds are adjustable individually in both directions. Since the arch does not rotate around the car, it results in substantial savings in time as well as reduced product costs.



WW^{exclusive} ARCH FLEX

For even more savings in time and product costs, integrate Arch Flex into your wash program. Arch Flex utilizes the spray arch to apply the chosen application to the front of the vehicle, switches on the fly to Flex Pass[®] Ultra to cover the sides and top surface of the vehicle, then reverts to the spray arch for application to the rear of the vehicle. This application reduces carriage movement and application time by 50%. Arch Flex can be utilized on any low-pressure or high-pressure application that can be applied using the spray arch or Flex Pass Ultra and can start from the entrance or exit for flexibility and time savings.



HEAVY DUTY PUMP STATION

Washworld's HyperForce Pump Station has the same overall footprint as the Razor Pump Station and features a poly tank with electronic fill valve and capacitive level sensor, programmable dual low-pressure inlet (hot and cold incoming), direct feed solutions system with electronic air regulator, CAT 3545HS pump complete with remote oil drain kit, leveling feet, easy tilt wiring access panel and easy access to all serviceable components. The CAT 3545HS is capable of 1500 psi with the same water usage as the Razor CAT 3535 pump.

HEAVY DUTY PUMP STATION STANDARD FEATURES

- Space saving design, simple installation, easy to maintain
- Heavy duty powder coated frame utilizes proven protective primer
- CAT 3545HS Pump with deluxe oil change kit allows easy access for service
- Electronic air regulator - allows for each foaming application to have it's own pre-set air pressure
- 3 Separate pre-soak applications
- 2 High pressure sealant / drying agent applications
- 1 Low pressure drying agent / protectant application
- One piece rotationally molded corrosion proof MDPE tank
- Programmable dual low pressure inlet (hot and cold incoming)
- Resource conservation system lowers water consumption
- Direct feed solutions system provides more control and reduces chemical costs significantly
- Stainless steel chemical manifold
- Stainless steel / composite direct feed chemical delivery system
- Flex Pass® Ultra application system



HEAVY DUTY PUMP STATION OPTIONAL FEATURES

- Tri-Color Foam application system
- Foam 'n Flow® application system
- HyperFlex™ application system
- Spot free re-pressurization system
- Reclaim system adapter kit
- High capacity 12kw electric water heater
- Instantaneous natural gas water heater
- Cold climate package - heat and weep
- Cold climate package - heat and air blow down
- Cold climate package - weep only
- Cold climate package - heat only
- Sound reduction kit



RAZOR® HYPERFORCE WALL MOUNT WASH BAY DIMENSIONS*

	OPTIONS	PREFERRED	*MINIMUM	MAXIMUM
HEIGHT*	14' 0" - 16' 9" (4267mm - 5105mm) Bay Widths 16' 9" - 18' 0" (5105mm - 5486mm) Bay Widths	12' (3658mm) 12' (3658mm)	10' 8" (3251mm) 11' 4" (3454mm)	N/A
WIDTH*	27' 4" Rails (8331mm) Standard 30' 4" Rails (9246mm) OBD 25' 4" Rails (7722mm) Optional	15' (4572mm)	14' (4267 mm)	18' (5486mm)
LENGTH*	25' 4" Rails (7722mm) Optional 27' 4" Rails (8331mm) No Dryer	28' (8534mm) 30' (9144mm)	25' 8" (7823mm) 27' 8" (8432mm)	N/A
LENGTH*	27' 4" Rails (8331mm) With Stand Alone Dryer With Covers	42' (12802mm)	31' 4" (9550mm)	N/A
LENGTH*	30' 4" Rails (9246mm) With On-Board Dryer	42' (12802mm)	31' 4" (9550mm)	N/A

*NOTE: Minimum dimensions are from nearest inside obstructions entrance to exit, and bay floor to ceiling, e.g. door tracks, counterweights, bay lights, etc. Add in additional length for these items.

RAZOR® HYPERFORCE FREE STANDING FRAME DIMENSIONS*

	OPTIONS	PREFERRED	*MINIMUM	MAXIMUM
HEIGHT*	27' 4" Rails (8331mm) Standard 30' 4" Rails (9246mm) OBD 25' 4" Rails (7722mm) Optional	11' (3353mm)	10' 9" (3277mm)	N/A
WIDTH*	27' 4" Rails (8331mm) Standard 30' 4" Rails (9246mm) OBD 25' 4" Rails (7722mm) Optional	14' 4" (4369mm)	13' 8" (4166mm)	N/A
LENGTH*	25' 4" Rails (7722mm) Optional 27' 4" Rails (8331mm) No Dryer	28' (8534mm) 30' (9144mm)	25' 8" (7823mm) 27' 8" (8432mm)	N/A
LENGTH*	27' 4" Rails (8331mm) With Stand Alone Dryer With Covers	42' (12802mm)	31' 4" (9550mm)	N/A
LENGTH*	30' 4" Rails (9246mm) With On-Board Dryer	42' (12802mm)	31' 4" (9550mm)	N/A

*NOTE: Minimum dimensions are from nearest inside obstructions entrance to exit, and bay floor to ceiling, e.g. door tracks, counterweights, bay lights, etc. Add in additional length for these items.

RAZOR® HYPERFORCE MINIMUM UTILITY REQUIREMENTS

Does not include options or other equipment requirements

Water:25 GPM @ 35 psi (94.6 l/m @ 2.4 bars) minimum at pump
 Air:100 psi @ 11 SCFM (6.89 bars @ 311 l/m) includes optional Tri-Color Foam
 Electrical:208/230 VAC, 3 PH (5-wire, three phase with neutral and ground)

VOLTAGE	UCC CABINET	PUMP STATION	OPTIONAL COLD WEATHER PKG.	ADD FOR EACH DRYER MOTOR	
208 VAC	23 Amps	108 Amps	14 Amps	10 HP 27 Amps	15HP 40 Amps
230 VAC	20 Amps	98 Amps	12 Amps	10 HP 24 Amps	15HP 35 Amps
380/415 VAC (50Hz)	17 Amps	57 Amps	10 Amps	10 HP 15 Amps	15HP 22 Amps
460 VAC	N/A	49 Amps	N/A	10 HP 12 Amps	15HP 17 Amps
575 VAC	N/A	40 Amps	N/A	10 HP 9.12 Amps	15HP 13.6Amps

*NOTE: Specifications Subject to Change Without Notice. The decibel level of the dryer (measured at 1.6 meters from the floor and 1 meter from the surface) is 94dB. The decibel level of the pump station measured at 1.6 meters from the floor and 1 meter from the surface) is 84dB for high pressure and 72dB for low pressure. Decibel levels are impacted by surrounding materials and conditions therefore will vary.