

For point-of-use dispensing.

BULLETIN
PP-404AC-10
Jan 2019

BULLETIN
PP-404AC-10
Jan 2019

BULLETIN
PP-404AC-10
Jan 2019



- Hand pump to be used at ambient (indoor room) temperature. Pump should not be used on any chemical with a heat source applied to it.

- Viscosity of chemicals at 70 degrees F considered for pumpability. Outdoor cold temperatures (less than 70 degrees F) may make liquid too viscous (thick) to pump.

- Pacer Pumps would welcome your MSDS sheets to review for application assistance. Customer is ultimately responsible for pump selection and application.

POLYESTER

RYTON

MODEL	O-RING	GASKET	PRICE CODE
HPV	VITON	VITON	59-0001
HPN	VITON	CORK-NITRILE	59-0002
HPE	EPDM	EPDM	59-0003
HRV	VITON	VITON	59-0004
HRE	EPDM	EPDM	59-0006

OPTIONAL EQUIPMENT

MODEL	DESCRIPTION	PRICE CODE NO.
-------	-------------	----------------

DISCHARGE HOSES (ADD TO MODEL NO. AND PRICE CODE)

1	8' EPDM with polyester elbow and nozzle	1
2	8' Nitrile (Buna-N) with polyester elbow and nozzle	2
3	8' PVC black vinyl with polyester elbow and nozzle	3
4	8' Clear reinforced PVC with polyester elbow and nozzle	4
5	8' Clear reinforced PVC with Halar elbow and nozzle	5
6	8' EPDM with Halar elbow and nozzle	6
7	8' Nitrile (Buna-N) with Halar elbow and nozzle	7
8	8' PVC black vinyl with Halar elbow and nozzle	8

SUCTION TUBE (ADD TO MODEL NO. AND PRICE CODE)

A	2 piece 1" Polyester, 34" long with Polyester coupling and Teflon tape	A
B	2 piece 1" Halar, 34" long with Halar coupling and Teflon tape	B
C	2 piece 1" UHMW polyethylene, 34" long with Halar coupling and teflon tape	C
E	1 piece 3/4" PVC black vinyl flexible, 35" long (prevents tearing of drum liners)	E

DISCHARGE SPOUT (ADD TO MODEL NO. AND PRICE CODE)

M	Polyester	M
N	Halar	N

BUTTRESS-BUNG ADAPTER (2" BUTTRESS X 2" NPT) (ADD TO MODEL & PRICE CODE)

R	Polypropylene/Polyester assembly for HP pump	R
S	Polypropylene/Halar assembly for HR and HH pumps	S

IMPORTANT - Refer to Chemical Resistance Data Chart for compatibility of materials. Always wear protective safety clothing such as gloves, apron, goggles.

When pumping flammable or combustible liquids from one container to another, both containers must be effectively bonded and grounded to prevent discharge of sparks or static electricity which could cause explosion and bodily harm.



INDUSTRIAL



OIL FIELD



MARINE

CHEMICAL RESISTANCE DATA CHART FOR HAND DISPENSING PUMPS

PUMP MODEL	MATERIALS OF CONSTRUCTION	CHOOSE FROM OPTIONS:
HP - Polyester *	Polyester housing and coverplate, piston, valves and bung adapter.	1, 2, 3, 4, A, M
HR - Ryton *	Ryton housing and coverplate, ETFE piston, valves and bung adapter.	5, 6, 7, 8, B, C, E, N
* All models have 316 stainless steel piston rod, fasteners and suction screen in contact with liquid.		

A - Recommended
C - Not recommended
X - Insufficient data

	ECTFE (Halar) ETFE (Tefzel)	Ryton	Polyester	EPDM	Viton	Cork-Nitrile Buna-N	Polyethylene	PVC
Acetaldehyde	A	A	A	A	C	X	A	C
Acetic acid 20%	A	A	A*	A	C	A	A	A
Acetic acid 50%	A	A	C	A	C	A	A	A
Acetic acid, glacial	A	A	C	A	C	C	A	C
Acetic anhydride	A*	A	C	A	C	X	A	C
Aluminum sulfate	A	A	A*	A	A	A	A	A
Ammonia, 30% (cold)	A	A	C	A	C	A	A	A
Ammonium chloride	A	A	A*	A	A	A	A	A
Ammonium nitrate	A	A	A*	A	C	A	A	A
Ammonium persulfate	A	X	A*	A	A	A	A	A
Ammonium phosphate	A	A	A*	A	A	A	A	A
Ammonium sulfate	A	A	A*	A	C	A	A	A
Amyl acetate	A	A	A*	A	C	X	A	C
Amyl alcohol	A	A	A*	A	A	A	A	A
Amyl chloride	A	X	A*	C	A	X	C	C
Aniline	A*	A	C	A	C	X	A	C
Arsenic acid	A	A	C	A	A	A	A	A
Atrazine	A	X	A	A	A	X	X	X
Banvel	A	X	A	C	A	X	X	X
Barium chloride *	A	A	A*	A	A	A	A	A
Barium sulfate *	A	A	A*	A	A	A	A	A
Beer	A	A	A*	A	A	X	A	A
Benzaldehyde	A*	C	A*	A	C	X	A	C
Benzene	A	A*	A*	C	A	A	A	C
Benzoic acid	A	A	A*	C	A	X	A	A
Bicep	A	X	A	A	A	X	X	X
Bladex	A	X	A	A	A	X	X	X
Borax (Sodium Borate)	A	A	A*	A	A	A	A	A
Boric acid	A	A	A	A	A	A	A	A
Bronco	A	X	A	A	A	X	X	X
Bullet	A	X	A	A	A	X	X	X
Butyl acetate	A	A	A*	A	C	C	A	C
Butyric acid	A	A*	C	A	A	X	A	A
Calcium bisulfite	A	A	C	C	A	A	A	A
Calcium chloride	A	A	A*	A	A	A	A	A
Calcium hypochlorite, 20% *	A	A	A*	A	A	A	A	A
Calcium sulfate	A	A	A*	A	A	A	A	A
Carbon tetrachloride	A	A*	A*	C	A	A	A	A*
Carbonic acid	A	A	C	A	A	A	A	A
Chlorobenzene	A	A	C	C	A	X	A	C
Chloroform (wet)	A	A	A*	C	A	X	A	C
Chromic acid, 10%	A	A	C	C	A*	C	A	A
Chromic acid, 50%	A	A*	C	C	A*	C	A	A
Citric acid	A	A	A*	A	A	A	A	A
Copper Cyanide	A	A	C	A	A	A	A	A
Copper nitrate	A	A	A*	X	A	A	A	A
Copper Sulfate	A	A	A	A	A	A	A	A
Cresylic acid, 50%	A	X	A*	C	A	A	A	A
Dimethoate	A	X	A	C	A	X	X	X
Dual	A	X	A	A	A	X	X	X
Eptam	A	X	A	C	A	X	X	X
Ethanol (Ethyl Alcohol)	A	A	A	A	A	A	A	A

* For use in applications where the temperature is 80 degrees F or less

A - Recommended
C - Not recommended
X - Insufficient data

	ECTFE (Halar) ETFE (Tefzel)	Ryton	Polyester	EPDM	Viton	Cork-Nitrile Buna-N	Polyethylene	PVC
Ethyl acetate	A	A	A*	A	C	C	A	C
Ethyl chloride	A	A	C	A	A	A	A	C
Ethylene Glycol	A	A	A*	A	A	A	A	A*
Extrazine	A	X	A	A	A	X	X	X
Fallowmaster	A	X	A	A	A	X	X	X
Fatty acids	A	X	A*	C	A	A	A	A
Ferric nitrate *	A	A	A*	A	A	A	A	A
Ferric sulfate	A	C	C	A	A	A	A	A
Ferrous sulfate	A	A	A*	A	A	X	A	A
Fluoroboric acid, 30-40% *	A	A	A*	A	A	A	A	A
Floussilicic acid, 20% *	A	A	C	A	A	A	A*	A
Formaldehyde, 40%	A	A	A*	A	A	A	A	A
Fuel oils	A	A	A	C	A	A	A	A
Furfural	A	A	A*	A	C	X	A	C
Glycerine (Glycerol)	A	A	A*	A	A	A	A	A
Heptane	A	A	A*	C	A	A	A	A
Hexane	A	A	A*	C	A	A	C	A
Honcho	A	X	A	A	A	X	X	X
Hydrocyanic acid *	A	X	A*	A	A	A	A	A
Hydrofluosilicic acid, 20% *	A	A	C	A	A	A	A	A
Hydrogen peroxide, 30% *	A	A*	C	A*	A	A	A	A
Hydrogen peroxide, 50% *	A	C	C	A*	A	A	A	A*
Hydrogen peroxide, 90% *	A	X	C	A*	A	A	A	C
Hydrogen sulfide (Aq. Sol.)	A	A	A*	A	C	A	A	A*
Kerosene	A	A	A*	C	A	A	A	A
Lactic acid	A	A	A*	A	A	A	A	A
Lannate	A	X	A	A	A	X	X	X
Lasso	A	X	A	A	A	X	X	X
Lead acetate	A	A	A*	A	C	A	A	A
Lorsban	A	X	A	C	A	X	X	X
Lubricating oil	A	A	A	C	A	A	A	A*
Magnesium chloride *	A	A	A*	A	A	A	A	A
Magnesium nitrate	A	A	A*	A	A	A	A	A
Magnesium sulfate	A	A	A*	A	A	A	A	A
Maleic acid	A	X	A*	C	A	X	A	A
Methyl alcohol (Methanol)	A*	A	A*	A	C	A	A	A*
Methyl chloride	A	A*	C	C	A	X	A	C
Methyl ethyl ketone	A	A	A*	A	C	X	C	C
Methyl isobutyl ketone	A	A	A	C	C	X	C	C
Modown	A	X	A	A	A	X	X	X
N-serve 24	A	X	A	A	A	X	X	X
Naphtha	A	A	A*	C	A	A	A	A
Naphthalene	A	A	A*	C	A	X	A	C
Nickel chloride *	A	A	C	A	A	A	A	A
Nickel sulfate	A	A	A*	A	A	A	A	A
Nitric acid, 10%	A	A	A	A	A	C	A	A
Nitric acid, 20%	A	A*	C	A	A	C	A	A
Oils and fats	A	A	A*	C	A	A	A	A
Oleic acid	A	A	A*	C	A	A	C	A
Oleum	A	A*	C	C	A	X	A	C
Oxalic acid *	A	A	C	A	A	A*	A	A
Pathfinder	A	X	A	C	A	X	X	X
Pathway	A	X	A	A	A	X	X	X
Phenol	A	A	C	C	A	X	A	A*
Phosphoric acid, 0-80%	A	A	A	A	A	A*	A	A

Phosphoric acid, 80-100%	A	A	A	A	A	X	A	A
Potassium bicarbonate	A	X	A*	X	A	A	A	A
Potassium bromide	A	A	A*	X	A	A	A	A
Potassium carbonate	A	A	A*	A	A	A	A	A
Potassium chlorate	A	A	A*	A	A	A	A	A
Potassium chloride	A	A	A*	A	A	A	A	A
Potassium cyanide	A	A	A*	A	A	A	A	A
Potassium dichromate	A	A	C	A	A	A	A	A
Potassium hydroxide	A	A	C	A	C	A	A	A
Potassium nitrate	A	A	A*	A	A	A	A	A
Potassium permanganate	A	A	C	X	A	A	A	A
Potassium sulfate	A	A	A*	A	A	A	A	A
Propyl alcohol	A	A	A*	A	A	A	A	A*
Ranger	A	X	A	A	A	X	X	X
Roundup	A	X	A	A	A	X	X	X
Sevin 4 oil	A	X	A	A	A	X	X	X
Soaps (neutral)	A	A	A	A	A	A	A	A
Sodium acetate	A	A	A*	A	C	X	A	A
Sodium Bicarbonate	A	A	A*	A	A	A	A	A
Sodium bisulfite *	A	X	A*	A	A	A	A	A
Sodium carbonate, 10%	A	A	A*	A	A	A	A	A
Sodium chlorate	A	A	A*	A	A	A	A	A
Sodium chloride	A	A	A	A	A	A	A	A
Sodium cyanide	A	A	A*	A	A	A	A	A
Sodium hydroxide, 20%	A	A	C	A	C	A*	A	A
Lactic acid	A	A	C	A	C	A*	A	A
Sodium hydroxide, 50%	A	A	A*	A	A*	A	A	A
Sodium nitrate *	A	A	A*	A	A	A	A	A
Sodium silicate	A	A	A*	A	A	A	A	A
Sodium sulfate	A	A	A*	A	A	A	A	A
Sodium sulfide	A	A	A*	A	A	X	A	A
Stearic acid	A	X	A*	A	A	A	A	A
Stoddards solvent	A	A	A*	C	A	A	A	C
Sulfuric acid, 0-30%	A	A	A*	A	A	A	A	A
Sutan	A	X	A	C	A	X	X	X
Tannic acid	A	A	C	A	A	A	A	A
Tanning liquors	A	X	X	A	A	A	A	A
Tartaric acid	A	A	A*	A	A	X	A	A
Tetrahydrofuran	C	A	A*	A	C	X	C	C
Toluene (Toluol)	A	A	C	C	A	A	A	C
Treflan	A	X	A	C	A	X	X	X
Trichloroethylene	A	A*	C	C	A	C	A	C
Tricresylphosphate	C	X	C	A	A	X	A	C
Turpentine	A	A	A*	C	A	A	A	A
Urea	A	A	C	A	A	X	A	A
Vinegar	A	A	A*	A	C	A	A	A
Water	A	A	A	A	A	A	A	A
Xylene (Xylol)	A	A	C	C	A	A	A	C
Zinc Sulfate	A	A	A*	A	A	A	A	A

* For use in applications where the temperature is 80 degrees F or less.

ACCESSORIES AND OPTIONS
FOR HAND DISPENSING PUMPS

BULLETIN
PP-404AC-10
Jan 2019

PART NO.	DESCRIPTION	APPLICABLE MODEL #
DISCHARGE HOSES		
P-58-1342 02	DISCHARGE HOSE - 8 ft. PVC vinyl with polyester elbow and nozzle	HPV, HPN, HRV, HRN, HHV
P-58-1342 04	DISCHARGE HOSE - 8 ft. Nitrile (Buna-N) with polyester elbow and nozzle	HPN
P-58-1342 05	DISCHARGE HOSE - 8 ft. EPDM with polyester elbow and nozzle	HPE
P-58-1342 07	DISCHARGE HOSE - 8 ft. Clear reinforced PVC with polyester elbow and nozzle	HPV, HPN
P-58-1342 92	DISCHARGE HOSE - 8 ft. PVC with Halar® elbow and nozzle	HRV, HRN
P-58-1342 94	DISCHARGE HOSE - 8 ft. Nitrile (Buna-N) with Halar elbow and nozzle	HRN
P-58-1342 95	DISCHARGE HOSE - 8 ft. EPDM with Halar elbow and nozzle	HRE, HHE
P-58-1342 97	DISCHARGE HOSE - 8 ft. Clear reinforced PVC with Halar elbow and nozzle	HRV, HRN, HHV

SUCTION TUBE KITS

P-58-0069	SUCTION TUBE - 1 pc., ¾ in. PVC flexible 35 in. long. Prevents tearing of drum liner.	HPV, HPN, HRV, HRN, HHV
P-58-0177	SUCTION TUBE - 2 pc. polyester, 34 in. long with polyester coupling and Teflon® tape.	HPV, HPN, HPE
P-58-0178	SUCTION TUBE - 2 pc. Halar, 34 in. long, with Halar coupling and Teflon tape.	HRV, HRN, HRE, HHV, HHE
P-58-0182	SUCTION TUBE - 2 pc. UHMW-polyethylene, 34 in. long with Halar coupling and Teflon tape.	HRV, HRN, HRE, HHV, HHE

REPAIR KITS, VALVES & GASKETS

P-58-0166 H	REPAIR KIT - Viton® gasket and "O"-rings, Halar valves, Teflon piston ring.	HRV, HHV
P-58-0166 P	REPAIR KIT - Viton gasket and "O"-rings, polyester valves, Teflon piston ring.	HPV
P-58-0167 H	REPAIR KIT - Cork/nitrile gasket, Viton "O"-rings, Halar valves, Teflon piston ring.	HRN
P-58-0167 P	REPAIR KIT - Cork/nitrile gasket, Viton "O"-rings, polyester valves, Teflon piston ring.	HPN
P-58-0167 PH	REPAIR KIT - Same as 0167P only polyester valves are fitted with Hastelloy® C spring and Teflon screws.	HPN/032
P-58-0168 H	REPAIR KIT - EPDM gasket and "O"-rings, Halar valves, Teflon piston ring.	HRE, HHE
P-58-0168 P	REPAIR KIT - EPDM gasket and "O"-rings, polyester valves, Teflon piston ring.	HPE
P-58-0023 A	CONVERSION OPTION - Changes all exterior fasteners to stainless steel.	HPN, HPE, HPV
P-58-0032A	SEVERE DUTY VALVE OPTION - Hastaloy valve spring and teflon valve screws, replaces stainless steel	All

BUTTRESS/BUNG ADAPTERS

P-58-0031 P	2" polypropylene buttress thread X 2" NPT polyester bung adapter assembly with stainless steel clamp.	HP
P-58-0031 R	2" polypropylene buttress thread X 2" NPT Halar bung adapter assembly with stainless steel clamp.	HR

Please see back for more accessories and options and information on other Pacer hand operated pump models.

ACCESSORIES AND OPTIONS FOR HAND PUMPS (cont.)

BULLETIN
PP-404AC-10
Jan 2019

PART NO.	DESCRIPTION	APPLICABLE MODEL #
OPTIONAL DISCHARGE SPOUTS		
P-58-2020 30	DISCHARGE SPOUT - Polyester. Replaces discharge hose.	HPV, HPN, HPE
P-58-2020 90	DISCHARGE SPOUT - Halar. Replaces discharge hose.	HRV, HRN, HRE, HHV, HHE

GROUND-BOND WIRE (OSHA SAFETY REQUIREMENT)

P-52-9003	GROUND-BOND WIRE SET	All
-----------	-----------------------------	-----

DEALER DISPLAY ITEMS

P-58-0088 A	CUTAWAY DRUM PUMP - Shows internal working parts. Excellent item for sales counter display.	
P-58-0089 A	CLEAR LEXAN DRUM PUMPS - Shows internal working parts. Great for show and tell.	

PRICES & SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

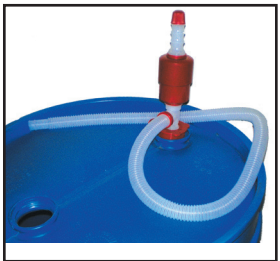
PACER BARREL AND CONTAINER PUMPS



METAL ROTARY PUMP

Primes with several turns. Effortless syphon flow at 4 GPM after priming. For 15, 30 or 55 gallon drums. Ideal for detergents and light oils. Pumps 6 GPM at 60 RPM. 2" IPS threaded male adapter included. Fitted with Buna N gaskets.

Cast Iron construction. Weight - 14 pounds.
Model # SC25. Price Code P-56-0005A.



PLASTIC SYPHON PUMP

All polyethylene. Hand operated bellows and flexible discharge tube. Will syphon to a lower level or pump to a higher level. For dispensing mild acids, light oils, waxes and disinfectants at ambient temperatures. Top vent cap is syphon breaker to stop flow. 2" IPS threaded male adapter included. 33" suction tube and 46" discharge hose. For 15, 30 or 55 gallon drums. 5 GPM. Weight - 1 pound. Model # 4A. Price code P-56-0011C.

PACER® HAND DISPENSING PUMPS

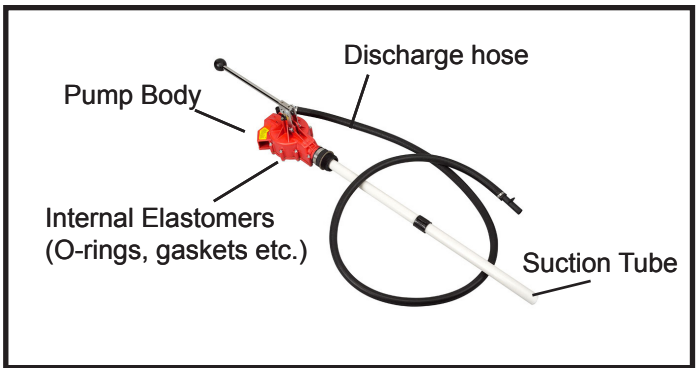
Division of ASM Industries, Inc.



HPN-2A
(shown)

- + DOUBLE ACTING, HAND OPERATED PISTON PUMP.
- + ENGINEERED FROM DURABLE THERMOPLASTICS.
- + LOW COST METHOD OF TRANSFER.
- + ELIMINATES DUMPING OR POURING OF SOLUTIONS.

Choice of chemically compatible materials of construction:



- Viscosities up to 2000 SSU.
- Two position pump handle.
- Controlled rate of discharge.
- Self lubricating piston ring operates wet or dry.
- Barrel bung adapter included with each model.



AUTOMOTIVE

AGRICULTURE

CONSTRUCTION

Refer to the following pages to determine a model to suit your application, OR, consult our factory. Call us at 1-800-233-3861 or e-mail us at sales@pacerpumps.com and we'll be glad to assist you.

Prevent bodily injury. Be sure to handle all liquids with care. Always use the recommended personal protective equipment for the chemical being handled.



41 Industrial Circle
Lancaster, PA 17601-5927 U.S.A.
Email: sales@pacerpumps.com
www.pacerpumps.com

717-925-8240
800-233-3861
FAX: 717-925-8242