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No. 0002077650 (11)

# 5874PB/5874PBF/VRK5874/VRK5874HF/ PBA6/PBA6C/PBA7/PBA7C Valve/Push Button

NOTE TO INSTALLER: Please leave this information with the Maintenance Department.

#### LIMITED WARRANTY

HAWS warrants that all of its products are guaranteed against defective material or poor workmanship for a period of one year from the date of shipment. The foregoing notwithstanding, HAWS warrants certain specific products or components thereof for an adjusted period. A list of these excepted products and components and a description of their respective warranty terms may be found here: www.hawsco.com/warranty. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first-class workmanship, provided that a claim is made in writing to Company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS shall not be liable for the cost of repairs, alterations or replacements, or the labor required to implement them, or for any expense connected therewith made by the owner or owner's agents, except upon written authority from HAWS. HAWS shall not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that HAWS has made no other warranties either express or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, incidental, or consequential damages claimed to arise under the contract of sale.

Equipment manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended. Any HAWS emergency equipment is intended to supplement first-aid treatment. Due to widely varying conditions, HAWS cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

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SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL PLEASE CALL:

TECHNICAL SUPPORT:1-800-766-5612FOR CUSTOMER SERVICE:1-888-640-4297

#### Note:

- 1. Before removing valve, strainer or cartridge assembly, shut off the water supply line.
- 2. This valve is pressure compensating. Be sure to remove any existing flow control devices. (May be present in fitting or SPUD).
- 3. Verify that the new valve will fit in place of the older 5871 and 5872 series valves. Contact Haws technical support, if needed.
- 4. When retrofitting an existing fountain with a 5874 series valve:
  - a) Remove any in-line strainer that may be present in the supply line,
  - b) Verify if unit requires a high flow cartridge. If so, follow notes on Page 4 of 7.
  - c) Valve is directional. Verify flow direction indicated on valve when installing.
  - d) Reconnect tubing to new valve using your existing fittings.

Caution: Valve must be protected by a <u>60-mesh strainer</u> LOCATED INSIDE VALVE BODY.

### WARRANTY VOID IF 60-MESH STRAINER IS REMOVED FROM VALVE BODY.

### **OPERATION & MAINTENANCE OF FRONT ACCESS FEATURES**

**FLOW ADJUSTMENT:** A 3/16" hole in the center of this button is provided for front access to the adjustment screw found on the cartridge assembly. While pushing the button in and using a slotted narrow blade screwdriver, the flow may be adjusted by inserting it into the hole and turning clockwise for increased flow, and counterclockwise for decreased flow.

**STRAINER CLEANING:** Periodically clean the strainer **located inside valve body**. Remove front push button (*be careful not to lose wave washer inside push button*) and retaining nut with the universal spanner wrench provided. Pull cartridge assembly out. Gently remove strainer off of cartridge. Thoroughly flush away any debris from strainer. Ensure that both the gasket on cartridge and strainer gasket are very clean with no debris whatsoever, then re-attach strainer by aligning larger hole opening on gasket over the larger water inlet opening on the cartridge (Don't remove gasket that comes with cartridge). When inserting cartridge assembly: 1) Make sure there is no debris in the valve body before inserting the cartridge assembly back into the valve body. 2) Align strainer with large hole in the valve body and ensure the outlet port on cartridge is also properly aligned with smaller opening in valve body by turning slightly into place. 3) Confirm cartridge has bottomed out properly before installing retaining nut (see "CAUTION" note below). 4) Thread retaining nut until it contacts the cartridge, then tighten 1-1/4 turn farther, check for leaks. Lastly, reassemble push button per Steps 5, 6, 7 & 10 of installation instructions on Pages 5 & 6.

**CARTRIDGE ASSEMBLY REPLACEMENT:** Remove front push button with wave washer and retaining nut with the universal spanner wrench provided. Pull cartridge assembly out. Gently remove strainer off of old cartridge and reassemble on new cartridge (Don't remove gasket that comes with cartridge) (See strainer reattachment instructions under "**STRAINER CLEANING**" section). When inserting a new cartridge assembly into valve body, carefully follow steps **1**) through **4**) under "**STRAINER CLEANING**" section. Lastly, reassemble push button per Steps 5, 6, 7 & 10 of installation instructions on Pages 5 & 6.

**STRAINER GASKET REPLACEMENT:** Remove front push button with wave washer and retaining nut with the universal spanner wrench provided. Pull cartridge assembly out. Gently remove strainer off of cartridge. Ensure that the gasket on the cartridge is very clean with no debris. Attach new strainer gasket to cartridge (Don't remove gasket that comes with cartridge) (See Strainer reattachment instructions under "STRAINER CLEANING" section). When inserting the cartridge assembly into valve body, carefully follow steps 1) through 4) under "STRAINER CLEANING" section. Lastly, reassemble push button per Steps 5, 6, 7 & 10 of installation instructions on Pages 5 & 6.

CAUTION: When replacing strainer or cartridge assembly, damage can occur if not properly re-installed. Read instructions carefully.

**PBA6C & PBA7C CLEANING & CARE:** If evidence of copper oxidation arises, simply rub surface with a soft rag and salt & water mixture. Soft cleaning solutions may also be used on the copper button surface.

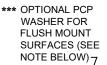
## PUSH BUTTON ASSEMBLY/REASSEMBLY

Must apply 1 Dot of Loctite 222MS Threadlocker on female threads of push-button. Carefully follow Steps 5, 6, 7 & 10 on installation drawing (Pages 5 & 6) to ensure proper reassembly.

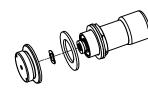
TROUBLESHOOTING			
	PROBLEM		REPAIR CHECKLIST
1.	Insufficient water flow.	1a.	Check that the inlet screwdriver stop is in wide open position.
		b.	Verify that the correct valve cartridge is being utilized for your application. Models 1920/1920HPS/1920W 1025/1025G 3300/3300G (equipped with a pop-up bubbler head Model 5725) & any models that feature a cuspidor (i.e., 2406, etc.) require a high flow cartridge (P/N 0001632151) to ensure proper flow stream height. All other models utilize a standard flow cartridge.
		C.	Adjust bubbler stream height. See Flow Adjustment Instructions in Front Access Feature Box.
		d.	Verify flow direction indicated on valve.
		e.	Verify that wave washer is in place and that push button is properly adjusted per Steps 5 & 7 of installation drawing (Pages 5 & 6).
		f.	Shut off screwdriver stop (not supplied), clean the fine mesh strainer found inside the 5874 series valve. See Strainer Cleaning instructions in Front Access Feature Box.
		g.	Verify minimum 30 psi flowing supply pressure.
		h.	Shut off screwdriver stop and replace cartridge assembly. See Cartridge Assembly Replacement Instructions in Front Access Feature Box.
2.	Water flow too high.	2a.	See steps 1b, 1c or 1e above.
3.	Valve won't shut off completely	За.	Cycle the cartridge assembly by pushing the push-button 5 times to clear any foreign matter (if any is present) from the valve seat.
		3b.	Shut off screwdriver stop. Replace cartridge assembly. See Cartridge Assembly Replacement Instructions in Front Access Feature Box.
4.	No flow out of valve.	4a.	Check that the inlet screwdriver stop is in wide open position.
		b.	Verify flow direction indicated on valve.
		c.	Check strainer for possible clogging (see 1f above).
5.	Inconsistent bubbler stream height.	5a.	See 1f above
6.	Button is loose	6a.	Refer to Installation Drawing Steps 5, 6, 7 & 10 on Pages 5 & 6 for proper application of Threadlocker 222MS and assembly procedure.
7.	Water is leaking out of push button assembly.	7a.	Remove push button with spanner wrench (P/N 0006983506) and tighten retaining nut using same spanner wrench.
		b.	If leak persists, shut off screwdriver stop and replace cartridge assembly. See Cartridge Assembly Replacement Instructions in Front Access Feature Box.

For more information about Haws products, see our website: www.hawsco.com

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## PARTS BREAKDOWN



5874PBF 1

POLISH CHROME PLATED FLANGE PUSH BUTTON WITH VALVE FOR FLUSH MOUNT SURFACES ONLY.

DO NOT REMOVE BLACK

GASKET WHICH COMES

WITH CARTRIDGE.

VRK5874HF 2 3 5

VALVE CARTRIDGE

(HIGH FLOW)



0006983506 SPANNER WRENCH (ONLY INCLUDED WITH MODELS: 5874PB & 5874PBF)

222MS

0003244389

THREADLOCKER TO SECURE PUSH BUTTON

(ONLY INCLUDED W/PB SERIES)



WITH CARTRIDGE.

5874PB 1 4

POLISHED CHROME PLATED PUSH BUTTON WITH VALVE

FOR BOTH RECESSED AND FLUSH MOUNT SURFACES.

(ALSO USED FOR REPLACEMENT OF OLDER VALVE MODELS 5871, 5872, AND 5872HF - SEE NOTE 4.)

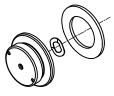
VRK5874 1 2

VALVE REPAIR KIT (STANDARD FLOW)



PBA6

POLISHED CHROME PLATED FLANGED PUSH BUTTON FOR FLUSH MOUNT SURFACES ONLY.



PBA6C

COPPER PLATED PUSH BUTTON WITH CHROME FLANGE FOR FLUSH MOUNT SURFACES ONLY.



PBA7

POLISHED CHROME PLATED PUSH BUTTON FOR BOTH RECESSED AND FLUSH MOUNT SURFACES.



PBA7C

COPPER PLATED PUSH BUTTON WITH CHROME OPERATOR FOR BOTH RECESSED AND FLUSH MOUNT SURFACES.



\*\*\* IF NEEDED, USE 1-3/4" O.D. X .050 THICK PCP WASHER PN 0006729529 (NOT SUPPLIED) IN SITUATIONS WHERE THE PUSH BUTTON HOLE IS SLIGHTLY OVERSIZED FOR THE 5874PB RING NUT.

#### NOTES:

- 1 MODELS 5874PB, 5874PBF, AND VRK5874 ARE EQUIPPED WITH A STANDARD FLOW CARTRIDGE. ORDER THESE MODELS WHEN REPLACING/REPAIRING VALVES WITH A STANDARD FLOW APPLICATION. DO NOT USE ON ANY MODELS THAT FEATURE A CUSPIDOR OR HAVE A HIGH FLOW APPLICATION WITHOUT IMPLEMENTING ADDITIONAL REQUIRED STEPS (SEE NOTES 2 AND 3).
- 2 MODELS 1025/G AND 3300/G EQUIPPED WITH A POP-UP BUBBLER HEAD (MODEL 5725) AND MODEL VRK5874HF, 2406 (EQUIPPED WITH A CUSPIDOR) AND 1920 SERIES BOTTLE FILLER MODELS ALL UTILIZE A HIGH FLOW CARTRIDGE TO ENSURE PROPER FLOW.

3 WHEN REPLACING A HIGH FLOW CARTRIDGE ASSEMBLY, DO NOT USE VRK5874; USE VRK5874HF.

4 FOR VALVE REPLACEMENT ON UNITS WITH OLDER 5871, 5872 (STANDARD FLOW) AND 5872HF (HIGH FLOW) VALVES: CONTACT HAWS TECHNICAL SUPPORT.

5 VRK5874HF IS ALSO USED ON 1920 SERIES BOTTLE FILLER MODELS (SEE NOTE 2).



0002568123 3 GASKET W/SCREEN

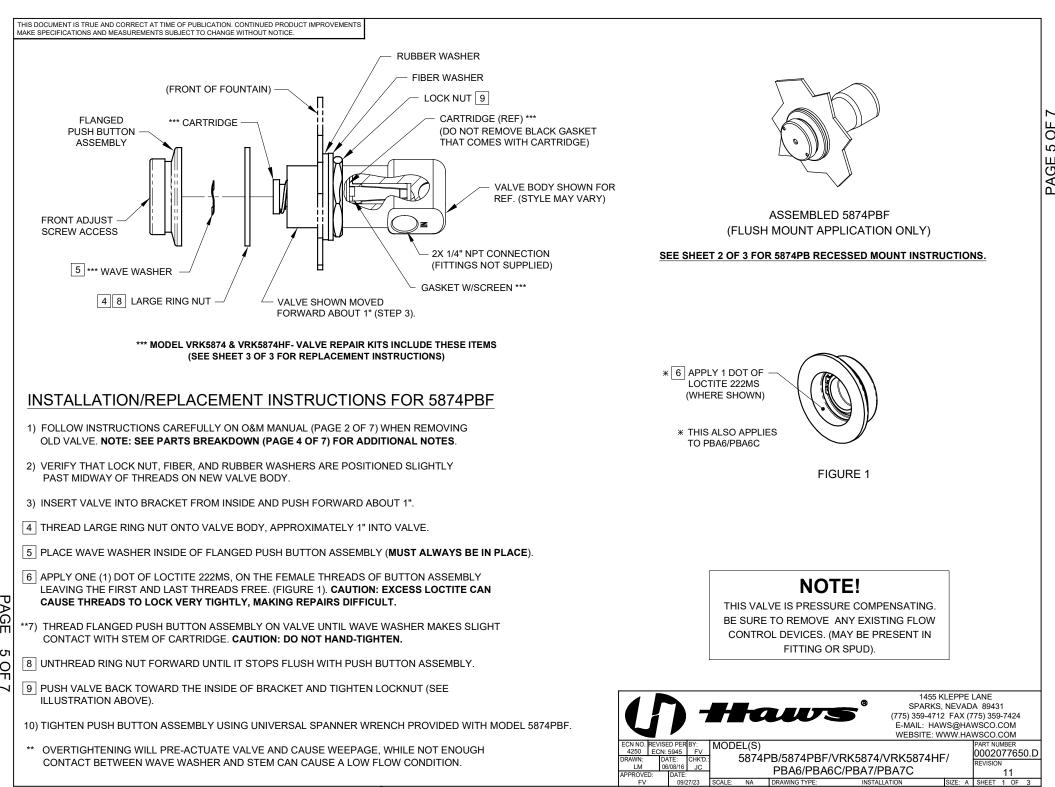
0006626653

WAVE WASHER FOR USE WITH BOTH RECESSED AND FLANGED STYLE PUSH BUTTON ASSEMBLIES. (MUST ALWAYS BE IN PLACE FOR **PROPER PUSH BUTTON OPERATION)** 

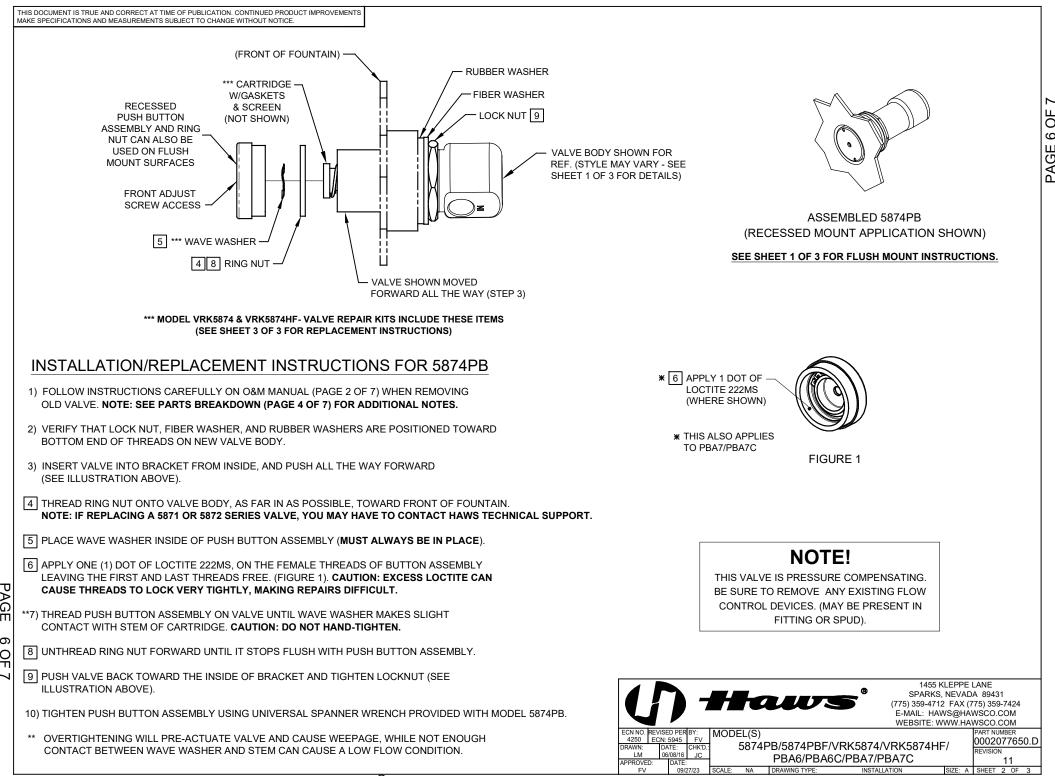


WHEN ORDERING PARTS PLEASE SPECIFY MODEL NUMBER.

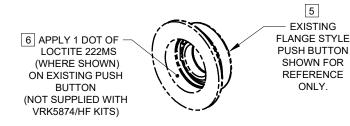
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FIGURF 1

5 EXISTING

SHOWN FOR

REFERENCE

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## **REPLACEMENT INSTRUCTIONS FOR VRK5874/VRK5874HF**

- 1) FOLLOW INSTRUCTIONS CAREFULLY ON O&M MANUAL (PAGE 2 OF 7) WHEN REMOVING VALVE. NOTE: SEE PARTS BREAKDOWN (PAGE 4 OF 7) FOR ADDITIONAL NOTES.
- 2) REMOVE FRONT PUSH BUTTON (WITH WAVE WASHER INSIDE) AND RETAINING NUT WITH THE UNIVERSAL SPANNER WRENCH (PN 0006983506 - NOT SUPPLIED WITH VRK5874 AND VRK5874HF KITS).
- 3) PULL EXISTING CARTRIDGE ASSEMBLY WITH GASKET SCREEN OUT.

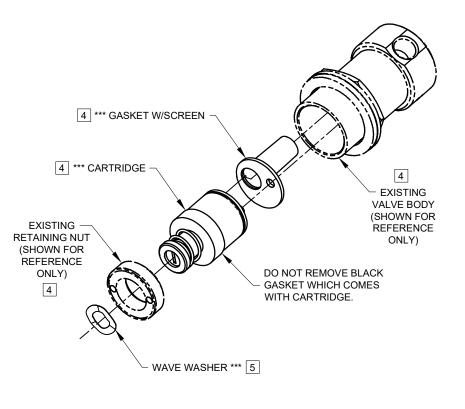
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4 WHEN INSERTING NEW CARTRIDGE ASSEMBLY WITH GASKET SCREEN, FOLLOW THESE **IMPORTANT STEPS:** 

- MAKE SURE THERE IS NO DEBRIS IN THE VALVE BODY BEFORE INSERTING THE CARTRIDGE ASSEMBLY INTO THE VALVE BODY.

- ALIGN STRAINER WITH LARGE HOLE IN THE VALVE BODY AND ENSURE THE OUTLET PORT ON CARTRIDGE IS ALSO PROPERLY ALIGNED WITH SMALLER OPENING IN VALVE BODY BY TURNING SLIGHTLY INTO PLACE.
- CONFIRM CARTRIDGE HAS BOTTOMED OUT PROPERLY BEFORE INSTALLING RETAINING NUT.
- THREAD RETAINING NUT UNTIL IT CONTACTS THE CARTRIDGE. THEN TIGHTEN 1-1/4 TURN FARTHER. CHECK FOR LEAKS.
- (CAUTION: WHEN REPLACING CARTRIDGE W/GASKET ASSEMBLY, DAMAGE CAN OCCUR IF NOT PROPERLY RE-INSTALLED).
- 5 PLACE WAVE WASHER (EXISTING OR NEW) INSIDE OF PUSH BUTTON ASSEMBLY (MUST ALWAYS BE IN PLACE).
- 6 APPLY ONE (1) DOT OF LOCTITE 222MS, ON THE FEMALE THREADS OF EXISTING BUTTON ASSEMBLY LEAVING THE FIRST AND LAST THREADS FREE. (SEE FIGURE 1). CAUTION: EXCESS LOCTITE CAN CAUSE THREADS TO LOCK VERY TIGHTLY, MAKING REPAIRS DIFFICULT.
- \*\* 7) THREAD EXISTING PUSH BUTTON ASSEMBLY ON VALVE UNTIL WAVE WASHER MAKES SLIGHT SLIGHT CONTACT WITH STEM OF CARTRIDGE. CAUTION: DO NOT HAND-TIGHTEN.
- 8) TIGHTEN EXISTING PUSH BUTTON ASSEMBLY USING UNIVERSAL SPANNER WRENCH (PN 0006983506 NOT SUPPLIED WITH VRK5874 AND VRK5874HF KITS).
- \*\* OVERTIGHTENING WILL PRE-ACTUATE VALVE AND CAUSE WEEPAGE. WHILE NOT ENOUGH CONTACT BETWEEN WAVE WASHER AND STEM CAN CAUSE A LOW FLOW CONDITION.



\*\*\* MODEL VRK5874 & VRK5874HF- VALVE REPAIR KITS INCLUDE THESE ITEMS

## NOTE!

THIS VALVE IS PRESSURE COMPENSATING. BE SURE TO REMOVE ANY EXISTING FLOW CONTROL DEVICES. (MAY BE PRESENT IN FITTING OR SPUD)

