



# INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424  
E-mail: [haws@hawsco.com](mailto:haws@hawsco.com) ♦ website: [www.hawsco.com](http://www.hawsco.com)

No. 2080289(10)

## Model MK81A Freeze Proof Valve

**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 date of shipment**. 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 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 will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will 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 expressed 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, or consequential damages claimed to arise under the contract of sale.

The emergency 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, which they were intended. This product 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.

**NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.**

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

**TECHNICAL SUPPORT: 1-800-766-5612**

**FOR CUSTOMER SERVICE: 1-888-640-4297**

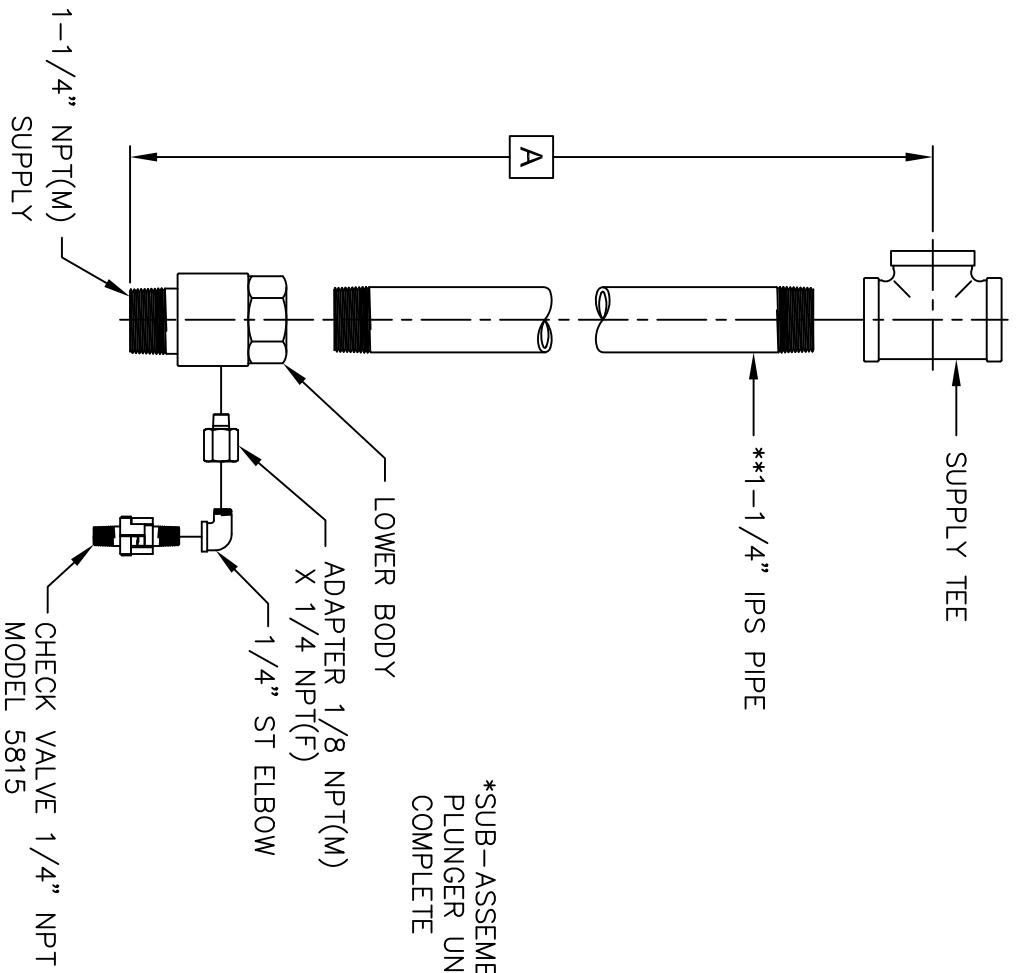
**SUPPLY LINE:** The minimum recommended line size is 1-1/4" IPS with 30-90 psi (2-6 ATM) pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

**PLUMBING CONNECTIONS:** Inlet supply is female 1-1/4" NPT.

**INSTALLATION:** A minimum of 5.0 cubic feet of porous gravel fill around check valve. Flush line before attaching valve.

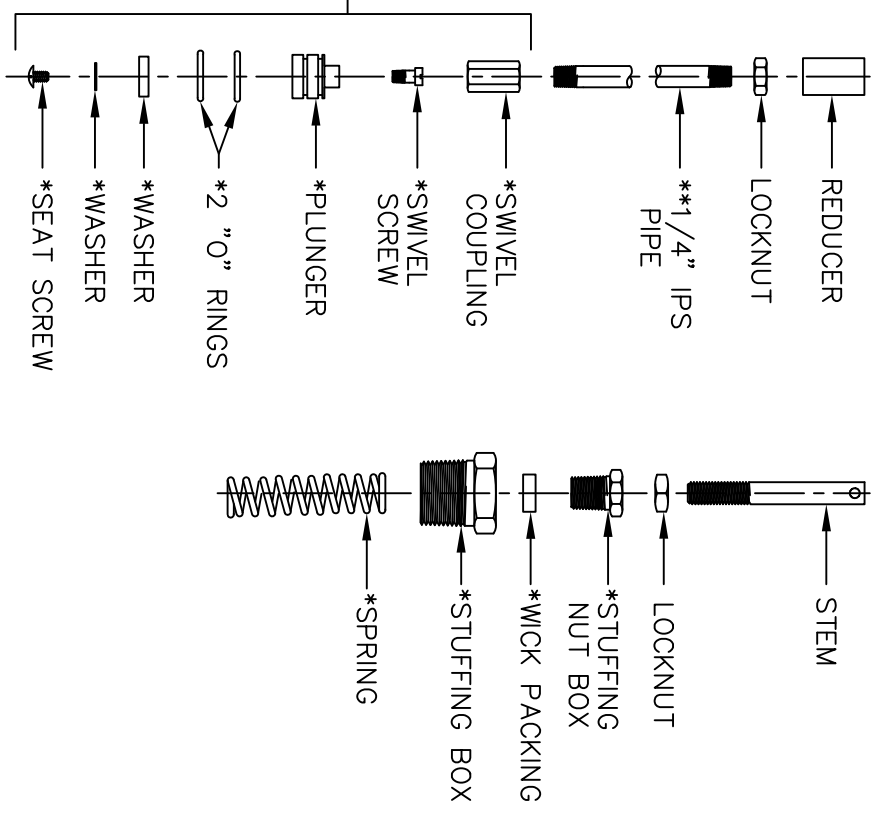
<b>TROUBLESHOOTING</b>	
<b>PROBLEM</b>	<b>REPAIR CHECKLIST</b>
1. Low flow/valve won't shut off.	1. Remove valve stem, check for debris. Clean valve and flush line.
2. Valve won't shut off.	2. a. Check to see if stem seats on valve. There should be clearance between flag and top valve nut in closed position. Adjust if necessary. b. Check to see if stem packing is excessive. Excessive pressure will not allow spring to counter water pressure. Adjust as needed. c. High water pressure. Shim spring to counter water pressure.
3. Valve leaks/won't shut off.	3. Remove valve stem, check O-ring and rubber washer for damage. Replace as needed using VRKMK81A repair kit.

For more information about Haws products, see our website: [www.hawesco.com](http://www.hawesco.com)



\*\* SPECIFY BURY DEPTH WHEN ORDERING THESE PARTS

A	FOR BURY DEPTH
60"	24"
78"	42"



REPLACEMENT PARTS FOR ITEMS MARKED WITH AN ASTERISK (\*) ARE INCLUDED IN VALVE REPAIR KIT MODEL VRKMK81A AVAILABLE FROM HAWS.



**Haws**

1485 KLEPPE LANE  
 SPARKS, NEVADA 89431  
 (775) 359-4712 FAX (775) 359-7424  
 E-MAIL: HAWS@HAWS.CO.COM  
 WEBSITE: WWW.HAWS.CO.COM

ECONO: REVISED PER BY:	MODEL(S)	PART NUMBER:
DATE:	DATE:	0002080289.D
DATE:	DATE:	DRAWING NO.: 07866C00
DATE:	DATE:	REV: 110
DATE:	DATE:	SCALE: 1:5
DATE:	DATE:	DRAWING TYPE: INSTALLATION
DATE:	DATE:	SIZE: A
DATE:	DATE:	SHEET: 1 OF 1