

Overview

- High resolution/Ultra compact 4" x 2.5" x 3.5"
- Internal or external control
- IP65 waterproof and dustproof design
- DC voltage operation
- PVDF pump head with ceramic balls and FKM elastomers
- 4 types of control:
 - » pulse » 1-5 VDC
 - » 4-20mA » start/stop



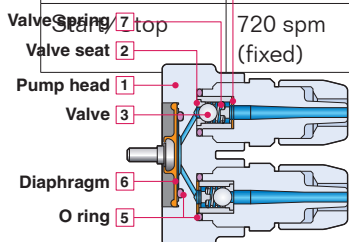
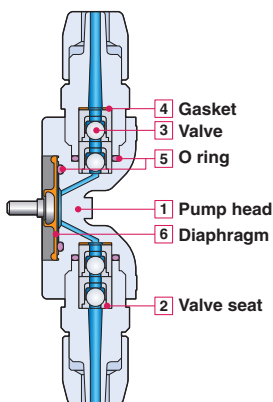
Specifications

Model	Flow Rate ml/min	Max Discharge Pressure PSI (MPa)	Stroke rate spm	Tube connection	Power Voltage V	Power consumption W	Current A	Weight lbs (kg)
HRP-54V/H-1	0.055 - 38	29 (0.2)	0-720	1/8" x 1/4"	DC12	5.6	1.5	1.1 (0.5)
HRP-54V/H-2				3mm x 6mm 4mm x 6mm	DC24		1.0	

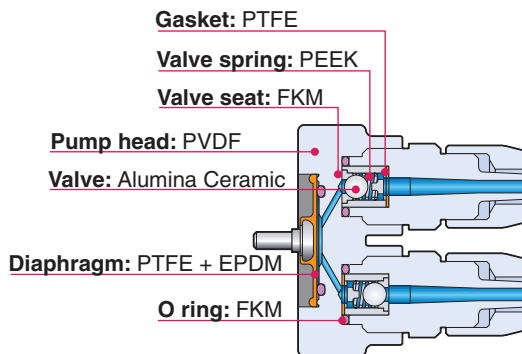
Liquid & ambient temperature 0 - 40°C

Allowable voltage deviation ±5% of rated voltage

Control type	Max Speed	Operation	Input signal
Pulse	720 spm	1 stroke per pulse (synchronous operation)	Dry contact or open collector
4-20mA	720 spm	4-20 mA proportional to 0-720 spm	Analog 4-20 mA DC
1-5VDC	720 spm	1-5 VDC proportional to 0-720 spm	Voltage 1-5 VDC (Current capacity of 25 mA or more)
Start/stop	720 spm (fixed)	Pump stops during contact input	Dry contact or open collector input



Material code
 PVDF: Polyvinylidene difluoride
 FKM: Fluorine-contained rubber
 PTFE: Polytetrafluoroethylene



Ordering Information

HRP	5	4	V	-	1	P	1	-	00
1	2	3	4		5	6	7		8

1 PUMP SERIES

2 DRIVE UNIT

Average power consumption 5 = 5.6W

3 DISCHARGE CAPACITY

4 = 38 mL/min

4 PUMP HEAD

V = Vertically oriented

H = Horizontally oriented

5 POWER VOLTAGE

1 = 12 VDC

2 = 24 VDC

6 CONTROL METHOD

P = Pulse

A = 4-20 mA

V = 1-5VDC

S = Start/stop

7 TUBE CONNECTION

1 = 3mm x 6mm

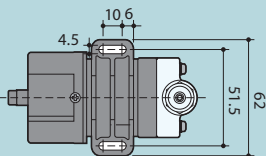
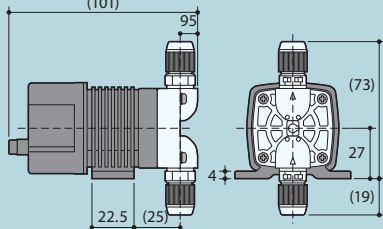
2 = 4mm x 6mm

3 = 1/8" x 1/4"

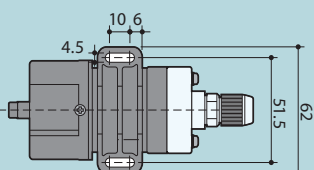
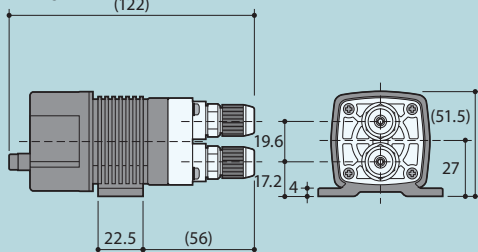
8 SPECIAL VERSION

Dimensions (mm)

HRP-54V (101)



HRP-54H (122)



Webmaster®ONE

WebMasterONE is the most advanced online cooling tower and boiler controller in the water treatment industry. The flexible multi-I/O platform allows you to control multiple cooling towers, boilers, closed loops, and condensate lines with just one controller. An extensive assortment of integrated communications and data handling features are included that enable water treatment professionals to provide more effective water management services to their customers.



Metering Pumps

E-Class is the most innovative and comprehensive metering pump product line in the world. Over 50 years of pump experience and a commitment to superior mechanical design has led to development of many industry firsts, including 360 stroke-per-minute technology, IP67 waterproof construction, and the world's highest capacity solenoid metering pumps.



WIND WebMaster® Industrial Water Controllers

Walchem's WebMaster Industrial (WIND) Controller sets a new standard for Industrial Water Treatment Controllers. WIND has a flexible multi-I/O platform, a wide range of analytical sensor measurement capabilities, and an extensive assortment of integrated communications and data handling features.



WebAlert Remote Monitor

Walchem's WebAlert is the first stand alone remote monitoring device that can web enable your installed equipment without having to replace or upgrade it.

ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market.

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com



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