



Electromagnetic DC Metering Pump



Iwaki HRP metering pumps enable high-speed, accurate flow in a compact package. Designed specifically for OEM applications, the HRP pump has been sized for easy integration into many types of systems. Multiple control options including proportional, 1:1 digital pulse following, and simple start/stop control, combined with horizontal and vertical configurations enable the HRP pump to be customized for many applications.

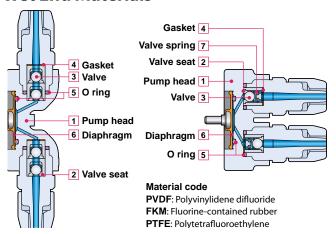
- **Reduce system size** Ultra-compact (4" x 2" x 3.5") design makes it easy to fit this pump into almost any system.
- Enhanced portability Available in 12 or 24 VDC allows for increased portability of your system.
- **Ease of Integration** From simple to sophisticated, internal or external control, HRP's 4 different integrated control options ensure a custom fit.
- **Simplify your fluid path** Vertical or horizontal porting configurations provide a smooth fluid path on every application.

Standard applications

- Sterilizing/Reprocessing Equipment
- Analytical Equipment
- Chemical Dosing
- Medical Devices
- Water Quality
- Car Wash



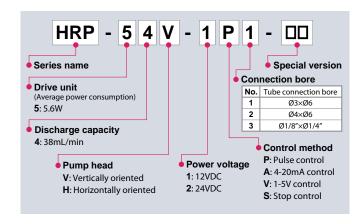
Wet End Materials



Part	Material	Part	Material				
1 Pump head	PVDF	5 O-ring	FKM				
2 Valve seat	FKM	6 Diaphragm	PTFE-EPDM				
3 Valve	Alumina Ceramic	7 Valve spring	PEEK				
4 Gasket	PTFE	* Other materials available on request					

HRP series

Model Identification



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	20 (0.2)	0.720	1/8" x 1/4"	DC12	Г/	1.5	1.1	
HRP-54V/H-2	0.000 - 38	29 (0.2)	0-720	3mm x 6mm 4mm x 6mm	DC24	5.6	1.0	(0.5)	

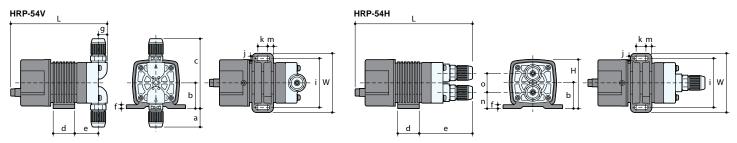
Liquid & ambient temperature 0 - 40°C

Allowable voltage deviation ±5% of rated voltage

Integrated Control Options

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							

Dimensions



Dimensions in mm (nominal)

Model	W	Н	L	a	b	С	d	е	f	g	i	j	k	m	n	0
HRP-54V	(2		(101)	(19)	27	(73)	22.5	(25)	4	9.5	51.5	4.5	10	6		
HRP-54H	62	(51.5)	(122)		27			5(6)	4						17.2	19.6



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