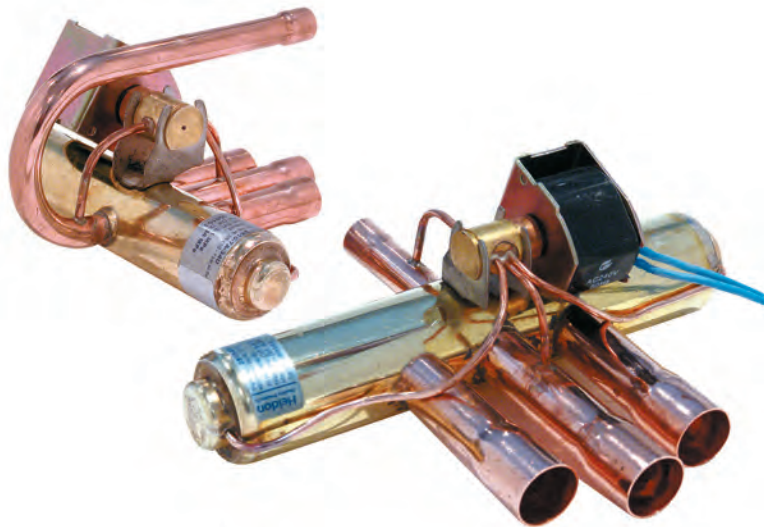


## Introduction

4-Way reversing valves are used in air-conditioning reverse cycle and heatpump systems to change the refrigerants direction of flow. By changing the refrigerants direction of flow the evaporator can become the condenser (the indoor coil) and the condenser can become the evaporator (the outdoor coil). This will lead to heat being rejected inside for heating (in winter) or outside for cooling (in summer).

The cycle inversion is initiated by a small pilot solenoid valve that directs pressure to either end of the valve body forcing a piston and sliding valve to change ends altering the internal port configuration and reversing the flow direction of the refrigerant in the system. Due to the large port design of Heldon valves the changeover happens almost instantaneously with a minimal pressure differential, pressure drop and risk of internal leakage.

Heldon 4-way reversing valves are constructed from corrosion resistant brass with solid copper connectors and pilot tubes. Available in capacities from 4 to 45kw with a maximum safe working pressure of 4100kpa for most models making those versions suitable for R-410A.



## Features and Benefits

### Features

- Designed for maximum flow and minimal pressure drop.
- Brass construction
- Solid copper extended connectors.
- Suitable for all fluorinated refrigerants up to 4100kpa.(Most models)
- Wear resistant seals.
- Working range -20°C to 50°C Ambient
- High capacity pilot valve and tubes.

### Benefits

- Negligible loss in system efficiency.
- Strong stable platform.
- Easy installation and soldering.
- Compatible with most fluorinated refrigerants and Oils.
- Longer reliable working life.
- Suitable for a wide range of applications.
- Reduced chance of a blockage.

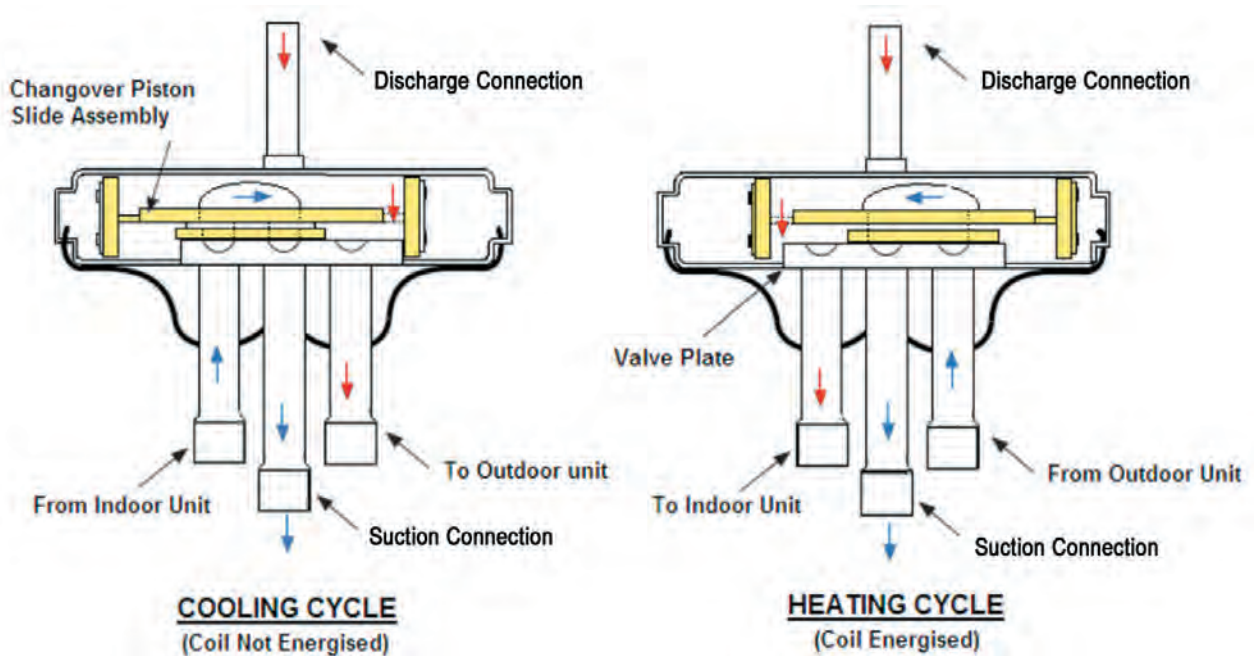
## Manufacturing Standards

Manufactured in accordance with AS / NZ 1677

## Dimensional Data & Specifications

Part No.	Cap. Kw	Refrig.	Disch. ID	Suction ID	Product Specification		Disch. Style	Disch. Position	Interchangeable Models		
					Min. Oper. Press. Diff. Mpa	Max. Oper. Press. Diff. Mpa			Brand 1	Brand 2	Brand 3
2510-4A-23U	4	ALL	5/16"	3/8"	0.25	3.10	U shape	Centre		CHV-0101	
2510-7A-34U	7	ALL	3/8"	1/2"	0.34	3.10	U shape	Centre	V2-308064-2IL		
2510-9-35U	9	R22	3/8"	5/8"	0.34	3.10	U shape	Centre			
2500-11-45D1	11	R22	1/2"	5/8"	0.34	2.50	Straight	Offset	V3-310084-7IL		
2510-20A-46	20	ALL	1/2"	3/4"	0.34	3.10	Straight	Centre	V6-312084-1IL	CHV-0401	RV6-F46
2510-20A-47	20	ALL	1/2"	7/8"	0.34	3.10	Straight	Centre	V6-314084-1IL		
2510-35A-67	35	ALL	3/4"	7/8"	0.34	3.10	Straight	Centre	V10-312124-1IL	CHV-0712	RV6-F67
2510-45-79	45	R22	7/8"	1 1/8"	0.34	2.50	Straight	Centre	V10-318144-1IL	CHV-2011	CHV-1511

Nominal capacity kW based on 40°C condensing temperature, 5°C evaporator temperature, 15 kPa pressure differential across suction port for refrigerant R22.



Heldon Reversing Valves come complete with 240V Coil.  
other voltages sold separately

4-Way Reversing Valves