



510-050-R
1"



515-050-R
1-1/2"



520-050-R
2"

500 SERIES RECLAIMED STRAIGHT FLOW VALVES

- Available in 1", 1½", 2" and 3" NPT or BSP threads
- Patented full open straight through flow design
- Extremely low pressure loss
- Low flow capability from 1 GPH
- Reclaimed purple flow control handle and bonnets
- Contamination resistant w/ internal control water filtration
- Internal manual bleed operation
- Manual bleed can be removed for "tamper proof" operation
- Heavy duty reinforced EPDM diaphragm
- 33% glass filled nylon construction
- Heavy duty stainless steel bolts for bonnet assembly (6 bolt pattern)
- Heavy duty stainless steel flow control stem
- 10-200 PSI operating range
- Hex plunger for sandy water conditions
- Standard 24 VAC 60 Hz solenoid (black wire)
- 1" available with flow or non flow control, threaded or socket (glass filled PVC body)
- Ideal for reclaimed and non potable water residential and commercial applications

HIT PRODUCTS CORPORATION

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SPECIFICATIONS

500 SERIES RECLAIMED STRAIGHT FLOW VALVES



Operating Specifications:

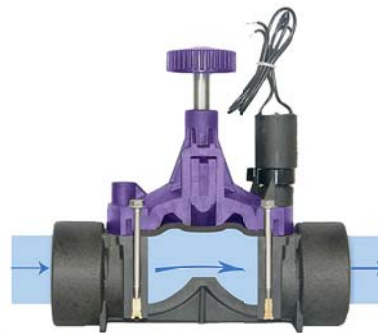
- 1" Flow: 1 GPM - 50 GPM
- 1 1/2" Flow: 1 - 110 GPM
- 2" Flow: 2 - 250 GPM
- 3" Flow: 5 GPM - 250 GPM
- Operating pressure: 15 to 200 PSI
- Recommended velocity not to exceed 5 fps of corresponding pipe size
- All valves for outdoor use and installation only

Electrical:

- 24 VAC standard
- Inrush: 350 mA, Holding: 250 mA
- Cycles: 50 Hz or 60 Hz

Features:

- Internal manual bleed
- Stainless steel components
- EPDM, fiber reinforced diaphragm
- Glass filled nylon construction
- Stainless steel flow control stem
- Reclaimed Purple bonnet and flow control to identify as non potable water applications



Straight Flow Valves

Dimensions

Model #	Size	Description	Overall Length		Overall Width		Overall Height	
			inch	mm	inch	mm	inch	mm
510-050-R	1"	Female Thread Inlet and Outlet with Flow Control	5"	127	3 1/2"	89	6	152
515-050-R	1 1/2"	Female Thread Inlet and Outlet with Flow Control	7"	178	4 1/2"	115	6	152
520-050-R	2"	Female Thread Inlet and Outlet with Flow Control	8 1/4"	210	5 3/4"	146	8	204
530-050-R	3"	Female Thread Inlet and Outlet with Flow Control	8 7/8"	225	6 1/4"	159	9	229

R – Reclaimed Purple Cap

Pressure Loss

Flow	GPM	15	20	25	30	35	40	45	60	80	100	150	200	250
Valve Size	1"	1.2	2.1	4	5	6.2	8	10						
	1 1/2"						2	2.2	2.6	3	4	8		
	2"						1.5	1.8	3	3	4	5	7	
	3"							1.8	3	3	4	5	7	10

Pressure Loss (Metric) Bars / kPa

Flow	l/min m ³ /hr	56.8 3.4	75.7 4.5	94.6 5.7	113.6 6.8	132.5 7.9	151.4 9.1	170.3 10.2	227.1 13.6	302.8 18.2	378.5 22.7	567.8 34.1	757.1 45.4	
Valve Size	1"	0.1 8.3	0.1 14.5	0.3 27.6	0.3 34.5	0.4 42.7	0.6 55.2	0.7 69.0						
	1 1/2"						0.1 13.8	1.5 151.7	0.2 17.9	0.2 20.7	0.3 27.6	0.6 55.2		
	2"						0.1 10.3	0.1 12.4	0.2 20.7	0.2 20.7	0.3 27.6	0.3 34.5	0.5 48.3	
	3"						0.1 10.3	0.1 12.4	0.2 20.7	0.2 20.7	0.3 27.6	0.3 34.5	0.5 48.3	0.75 70.0

Specifications may change due to engineering changes.

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