

WATERING VALVE



YWS-Series

YWS-Series watering Valve consists of the Main Valve, Pilot & Accessories, And the following water level control, decompression, relief, and the differential pressure maintenance are characterized according to the Pilot & Accessory composition. It is a water valve with high capacity and great sealing feature.

Application & Feature

Used in water level control, decompression, relief, and the differential pressure maintenance.

- Body structure is optimized to have least pressure loss of 2m/s, with least amount of noise and great flow feature.
- Special fabric is inserted into the diaphragm thus it is available in high voltage.
- There is no leakage due to the Disc which consists of N.B.R.
- Disc material is changeable according to the fluid condition.
- Opening velocity of the valve is controllable according to the field condition.
- Speed Control Valve controlling can reduce the water hammer inside the pipe.
- Repair & part change is easily available in a failure condition once the cover is separated.
- Following features can be modified by changing accessories while being installed.

Technical Data

Category		YWS-Series
Applicable fluid	Applicable Fluid	Water, Diesel
Applicable pressure	Applicable Inlet Pressure	Max, 10kgf/cm ²
Applicable temperature	Applicable Temperature	Max,80°C
Minimum operating diff ⁿ pressure	Min, Pressures Differential Across The Disc	0.5kgf/ cm ²
Connection	End Connection	FF Flange
Water pressure test	Hydrostatic Test	15kgf/ cm ² - 3 mins
Material	Body, Cover	Cast Iron(GC200)
	Trim	Cast Bronze(BC6), Stainless Steel
	Diaphragm. Disc	N.B.R

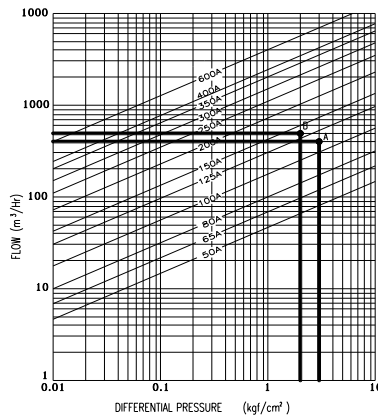
Flow & Diameter selection table

Ex 1) Input pressure= 5kgf/cm², Output pressure= 2kgf/cm², Flow= 400m³/h

- Point A(125A) is chosen from the chart where the diffⁿ pressure 3kgf/cm² meets the flow 400 m³/h.

Ex 2) Input pressure= 2kgf/cm², Output pressure= 1kgf/cm², Flow 150A Valve.

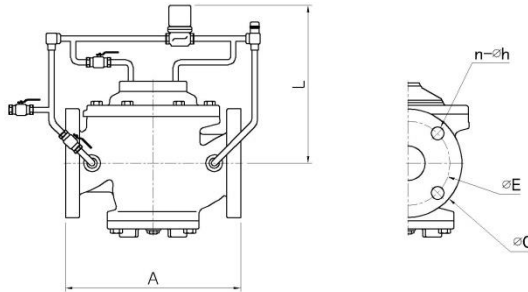
- Flow is chosen as 600m³/h, according to the horizontal Y axis from point B where the diffⁿ pressure 2kgf/cm² meets the flow 150A Valve.



- Selection through the Cv value

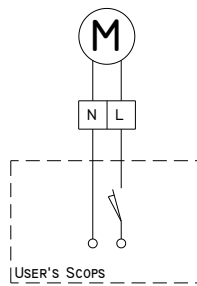
Size	50A	65A	80A	100A	125A	150A	200A	250A
CV value	54	80	115	200	360	500	840	1245

Shape Dimension



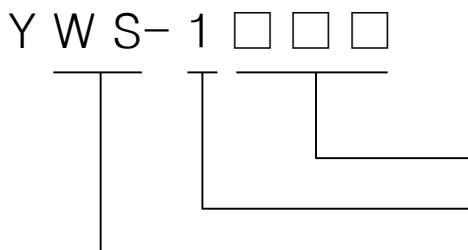
Category	50A	65A	80A	100A	125A	150A	200A	250A
A	255	278	300	370	430	500	620	750
L	110	130	160	170	181	218	260	310
E	50	65	80	100	125	150	200	250
C	155	175	185	210	250	280	330	400
n-øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25
Weight(kg)	13	24	34	51	78	120	220	352

Wiring diagram



Order specifications

Product name & Type are required to be filled with the type appendages when ordering.



Valve Size(A) : 50~250A

Valve Type : 1 – 10kgf/cm²

Flow Type : S – Level Electric Valve