

HL2X Series Modulating Valves

DN20-DN50



Application

Modulate the medium flux to control the temperature, humidity and pressure of air conditioning, refrigeration, heating and building automatic control systems

It can accurately modulate the flux of the medium and reach the targets to control the temperature, humidity and pressure of the systems.



Features

- Cast bracket and plastic shell for actuator
- Magnetic synchronomotor with self protection function
- Radiator available when high medium temperature occurs
- Screw and Flange connections that conform to International IEC standard
- Can be easily controlled by HL8102 series controller



Actuator Technical Data

Power Supply	24Vac, 50/60Hz
Actuator Force	500N, 1000N
Control Signal	Floating Point, 0~10V, 4~20mA
Feedback Signal	0 ~ 10Vdc(available for some models)
Power Consumption	2.4VA, 2.7VA , 5.5VA 7.5VA
Speed	0.24mm/s
Stroke	25mm
Protection Class	IP42

No.	Models	DN	Connections Type	2 or 3 -Way	Body Material	Core Material	Medium Temp	Differential Pressure Allowed	K v M ³ /h	Force	Dimension					Screw demand
											L	H	D	K	H1	
1	HL22020LC1-100	20	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.70(Water)	6	500N	80	240	-	-	-	-
2	HL22025LC1-100	25	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.50(Water)	10	500N	105	247	-	-	-	-
3	HL22032LC1-100	32	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.35(Water)	16	500N	120	270	-	-	-	-
4	HL22040LC1-100	40	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.30(Water)	25	500N	130	277	-	-	-	-
5	HL22050LC1-200	50	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.35(Water)	40	1000N	150	290	-	-	-	-
6	HL22020FB1-100	20	Flange	2-way	Cast Steel	Brass	2-130℃	0.70(Water)	6	500N	150	328	105	75	-	4-M12
7	HL22025FB1-100	25	Flange	2-way	Cast Steel	Brass	2-130℃	0.50(Water)	10	500N	160	335	115	85	-	4-M12
8	HL22032FB1-100	32	Flange	2-way	Cast Steel	Brass	2-130℃	0.35(Water)	16	500N	180	347	140	110	-	4-M16
9	HL22040FB1-100	40	Flange	2-way	Cast Steel	Brass	2-130℃	0.30(Water)	25	500N	200	350	150	110	-	4-M16
10	HL22025FB1-200	50	Flange	2-way	Cast Steel	Brass	2-130℃	0.35(Water)	40	1000N	230	355	165	125	-	4-M16
11	HL22032FA1-100	32	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.35(Water)	16	500N	180	310	140	100	-	4-M16
12	HL22040FA1-100	40	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.30(Water)	25	500N	200	330	150	110	-	4-M16
13	HL22050FA1-200	50	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.35(Water)	40	1000N	230	335	165	125	-	4-M16
14	HL22020FB1-100	20	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.43(Vapor)	6	500N	150	328	105	75	-	4-M12
15	HL22025FB1-200	25	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.52(Vapor)	10	1000N	160	335	115	85	-	4-M12
16	HL22032FB1-200	32	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.35(Vapor)	16	1000N	180	347	140	100	-	4-M16
17	HL22020LC1-110	20	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.70(Water)	6	500N	80	240	-	-	-	-
18	HL22025LC1-110	25	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.50(Water)	10	500N	105	247	-	-	-	-
19	HL22032LC1-110	32	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.35(Water)	16	500N	120	270	-	-	-	-
20	HL22040LC1-110	40	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.30(Water)	25	500N	130	277	-	-	-	-
21	HL22050LC1-210	50	Screw	2-way	Stainless-Steel	Brass	2-130℃	0.35(Water)	40	1000N	150	290	-	-	-	-
22	HL22020FB1-110	20	Flange	2-way	Cast Steel	Brass	2-130℃	0.70(Water)	6	500N	150	328	105	75	-	4-M12
23	HL22025FB1-110	25	Flange	2-way	Cast Steel	Brass	2-130℃	0.50(Water)	10	500N	160	335	115	85	-	4-M12
24	HL22032FB1-110	32	Flange	2-way	Cast Steel	Brass	2-130℃	0.35(Water)	16	500N	180	347	140	110	-	4-M16
25	HL22040FB1-110	40	Flange	2-way	Cast Steel	Brass	2-130℃	0.30(Water)	25	500N	200	350	150	110	-	4-M16
26	HL22050FB1-210	50	Flange	2-way	Cast Steel	Brass	2-130℃	0.35(Water)	40	1000N	230	355	165	125	-	4-M16
27	HL22032FA1-110	32	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.35(Water)	16	500N	180	310	140	100	-	4-M16
28	HL22040FA1-110	40	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.30(Water)	25	500N	200	330	150	110	-	4-M16
29	HL22050FA1-210	50	Flange	2-way	Cast Iron	Stainless-Steel	2-160℃	0.35(Water)	40	1000N	230	335	165	125	-	4-M16
30	HL22020FB1-110	20	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.43(Vapor)	6	500N	150	328	105	75	-	4-M12
31	HL22025FB1-210	25	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.52(Vapor)	10	1000N	160	335	115	85	-	4-M12
32	HL22032FB1-210	32	Flange	2-way	Cast Steel	Stainless-Steel	2-180℃	0.35(Vapor)	16	1000N	180	347	140	100	-	4-M12
33	HL28020FB1-100	20	Flange	3-way	Cast Steel	Brass	2-130℃	0.70(Water)	6	500N	150	328	105	75	100	4-M12



HL2X Series Modulating Valves

DN20-DN50



Valve Body Parameters

Pressure	1.6 M Pa					
Medium	Cold/Hot Water, Vapor and Glycol etc.					
Valve Core	Brass or Stainless Steel					
Feedback Signal	0 ~ 10Vdc(available for some models)					
Adjustment Ratio	More than 50					
Leakage	Less than 0.02% of Kv					
KV	DN	20	25	32	40	50
Value	M ³ /h	6	10	16	25	40

Model No.

HL2

- Structure _____
- 2 = 2 way; 8 = 3 way mixing; 9 = 3 way diverting
- Size (DN) _____
- Connection _____
- F=flange;L=screw
- Valve body material _____
- A = cast iron; B = cast steel; C = stainless steel; D = cast brass
- Radiator _____
- 1 = No Radiator; 2 = With Radiator
- Actuator force _____
- 1 = 500N; 2 = 1000N
- Control signal _____
- 0 = increment; 1 = 0-10V; 2 = 4-20mA
- Feedback _____
- 0 = no feedback; 1 = 0-10V; 2 = 4-20mA

