

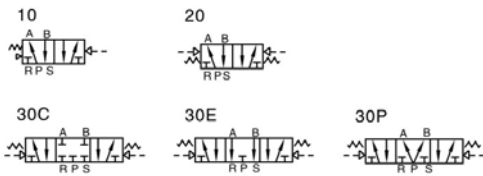
The M4H-Series hand-lever In-line 5/2 and 5/3 valves provide an extensive range of flow options at low prices. The range may be used Lubrication free and be panel or surface mounted. The 5/3 valves have a choice of Pressure Held, Pressure Applied or Pressure Release in the spool centre position. The spool may be spring return or position held by a mechanical detent mechanism.



### Specification

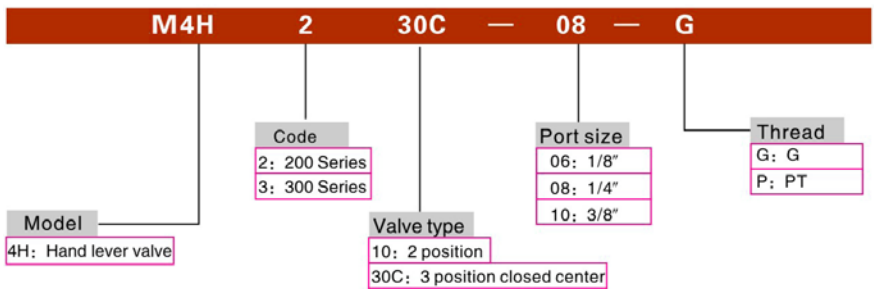
Model	4H210-06	4H230C-06	4H210-08	4H230C-08	4H310-08	4H330C-08	4H310-10	4H330C-10
Fluid	Air (to be filtered by 40µm filter element)							
Operating	Manual control direct acting type							
Port size ①	In=Out=Exhaust=1/8"		In=Out=1/4"; Exhaust=1/8"		In=Out=Exhaust=1/4"		In=Out=3/8" Exhaust=1/4"	
Orifice size	14.0mm <sup>2</sup> (Cv=0.78)		16.0mm <sup>2</sup> (Cv=0.89)		25.0mm <sup>2</sup> (Cv=1.39)		30.0mm <sup>2</sup> (Cv=1.67)	
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Lubrication ②	Not required							
Pressure range	0 ~ 0.8MPa(0~114Psi)							
Proof pressure	1.5 MPa(215Psi)							
Temperature °C	-20~70							
Material of body	Aluminum alloy							
Operating angle	±16°	±10°	±16°	±10°	±20°	±11°	±20°	±11°

### Symbols



1. G (BSP) threads are standard (NPT threads are available as an option on request)
2. If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.

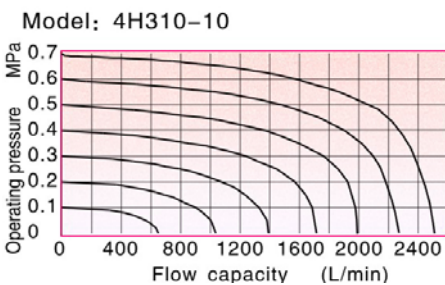
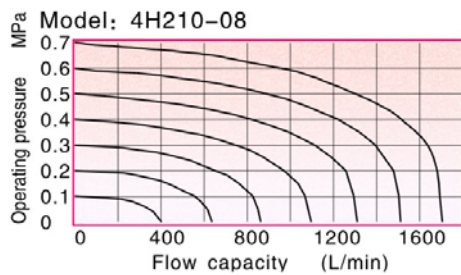
### Model/Ordering Codes



### Product Features

1. Lever operated valve, with smooth actuation.
2. Spool type, with low leakage and low friction action.
3. A choice of spring return or detent position held options
4. Special manufacturing techniques ensure low start pressure and long service life.
5. Maybe used lubrication free.
6. The valve range may be panel mounted or surface mounted.

### Flow Charts



4H210, 310																		
Type/Item	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	θ
4H210-06	76.7	56.5	31.5	22	94	6.5	66.5	20	20	36	18	35	23.5	1/8"	1/8"	4.3	-	16.4
4H210-08	76.7	56.5	31.5	22	94	6.5	66.5	20	20	36	21	35	23.5	1/8"	1/4"	4.3	1.5	16.4
4H310-08	92.5	72.5	40	27	99.4	7.5	82.5	20	24	45	22	40	27.5	1/4"	1/4"	4.3	-	20.7
4H310-10	92.5	72.5	40	27	99.4	7.5	82.5	20	24	45	24	40	27.5	1/4"	3/8"	4.3	2	20.7
4H230C, 330C																		
Type/Item	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	θ
4H230C-06	95.7	75.7	31.5	22	94	6.7	85.7	20	20	36	18	35	23.5	1/8"	1/8"	4.3	-	10
4H230C-08	95.7	75.7	31.5	22	94	6.7	85.7	20	20	36	21	35	23.5	1/8"	1/4"	4.3	1.5	10
4H330C-08	111.5	91.5	40	27	99.4	7.5	101.5	20	24	45	22	40	27.5	1/4"	1/4"	4.3	-	11.3
4H330C-10	111.5	91.5	40	27	99.4	7.5	101.5	20	24	45	24	40	27.5	1/4"	3/8"	4.3	2	11.3

OCT11/RWA