

WEHD 1X Series low power high speed valves

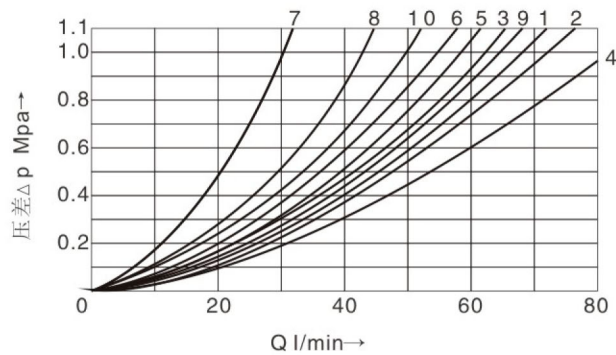
【Specification】

- 1.Low power.
- 2.High speed valve
- 3Time stability of directional valve。
- 4.The temperature of the coil is less 40 degrees.
- 5.Mounting surface is the same to DIN24340 A series and WE series.
- 6.Function is E J D M PT valve.
- 7.Flow-Pressure drop characteristics curve is the same to WE series.

【 Description 】

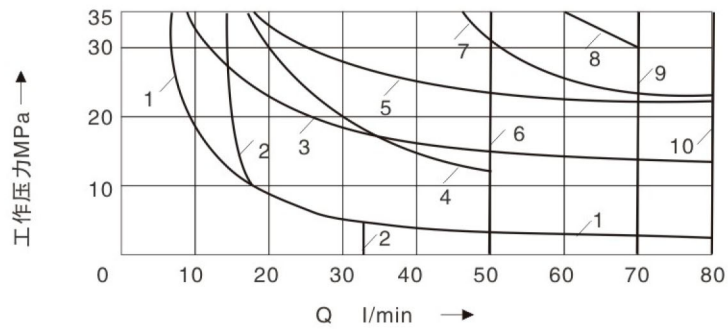
* WEHD 6 * 1X / E * * / * *									
3Way =3 (functionA,A9,B,B9)									
4Way =4									
Low loss fast solenoid directional valve									No code=NBR Seals V=FKM Seals
Size: 6- 6 Size 10=10 Size									
Spool Symbols									
Series 10-19 = 10-19,no change of the installation and connection size				1X					
Connect with solenoid thread									
D24 =DC24V R220 =RAC220V A220 =AC220V (Other voltage refer parameters)									
With emergency handle =N									
									H:DIN43650 Plug without lamp L:DIN43650 Type Plug with Lamp F:German standard plug,Deutsch. protection degree IP69K A:AMP type plug,protection degree IP66 D:with two wires

【Pressure drop/Flow curve】



Valve	Flow direction			
	P-A	P-B	A-T	B-T
A,B	3	3	-	-
C	1	1	3	1
D,Y	5	5	3	3
E	3	3	1	1
F	1	1	1	1
T	10	10	9	9
G	2	4	2	2
J,Q	1	1	2	1
L	3	3	4	9
M	2	4	3	3
P	3	1	1	1
R	5	5	4	4
V	1	2	1	1
W	1	1	2	2
U	3	3	9	9
G	6	6	9	9

【Switching performance limit】



curve	Valve function
1	A、B ₁
2	V
3	A、B
4	F、P
5	J
6	G、H、T
7	A/O、A/OF、L、U
8	C、D、Y
9	M
10	E、R ₂ C/O、C/OF
	D/O、D/OF、Q、W

【Technical data】

Installation position		anywhere
Ambient temperature range	℃	-30~+50 NBR seals -20~+50 Rubber seals
Weight (with 1 electromagne)	kg	1.9
(with 2 electromagne)	kg	2.4

Max operating pressure P、A、B	MPa	31.5
T	MPa	With symbols A or B, port T must be used as leakage port if the operating pressure exceeds the permissible tank pressure.
Max flow	l/min	80 (DC)
Flow cross-section Q	mm ²	6% of the nominal cross-section
(In central) W	mm ²	3% of the nominal cross-section
Hydraulic fluid 1.Suitable for NBR and FKM seals 2.Suitable for FKM seals		Mineral oil (HL, HLP) according to DIN51524; fast biodegradable hydraulic fluids according to VDMA24568; HETG(rape seed oil); HEPG(polyglycols); HEES(synthetic esters); other hydraulic fluids upon request
Oil temperature range	℃	-30~+80 NBR seals -20~+80 Rubber seals
Viscosity range	mm ² /s	2.8-500
Hydraulic cleanliness class		The pollution hydraulic oil according to NAS1639 Grade 9 Filter element $\beta_{10} \geq 75$

Voltage type		DC	AC 50HZ
Power voltage	V	12, 24	110, 220
Voltage deviation	%	+10~-15	
Loss power	W	10	10
Work system	ED%	100	
Change direction time	ms	50	40
Offset Time	ms	50	40
Switching frequency	次/h	30000	
Protection Grade DIN 40050		Ip65 (AMP: IP66) (Deutsch:IP69k)	
Coil temperature rise	℃	135℃ (E)	180℃(H)

Unit dimensions:

