6.9

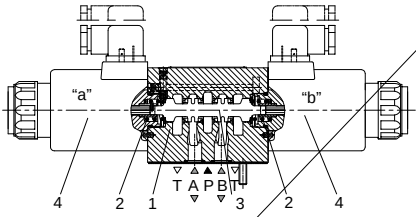
4WRA 和 4WRAE 型

6 ¦ 10
315 bar
75 L/min

目 录

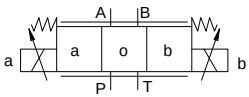
特点

5

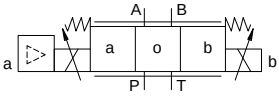


4WRA 10…-L2X/…

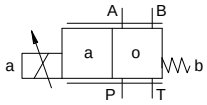
4WRA…-L2X/…



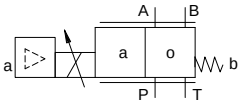
4WRAE…-L2X/…



4WRA…A-L2X/…



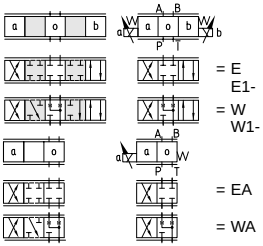
4WRAE…A-L2X/…



4WRA | | | | – L2X / G24 | | | / | | *

=
= E

6 =6
10 =10



E1- W1-
P → A: q_{vmax} B → T: $q_v/2$
P → B: $q_v/2$ A → T: q_{vmax}

W WA
A T B T
3% k

V =
=

= 4WRA
4WRAE: A1= ®10V
F1= 4 20mA

4WRA: Z4=
K4=
4WRAE: DT=
K31=
Z31=

=
N9 =

)
= 2.5A
-15 = 1.5A
- 8 = 0.8A

G24=24V)

L2X= L20~L29
(L20 L29)

6: 07= 7L/min
15=15L/min
30=26L/min
10: 30=30L/min
60=60L/min

10bar

06

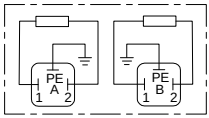
			6	10
	4WRA...L2X	Kg	2.0	6.6
	4WRAE...L2X		2.2	6.8
Q_{vnom} ¦ p = 10 bar		L/min	7 ¦ 15 ¦ 26	30 ¦ 60
		%	≤ 5	
		%	≤ 1	
		%	≤ 0.5	
	A ¦ B ¦ P	bar	315	
	T	bar	210	
			-	
			-	
	4WRA...L2X	,	-20, 70, -4- F 158- F	
	4WRAE...L2X	,	-20, 50, -4- F 122- F	
		mm¯/s	20 380 30 46	
			NAS1638 9 ISO 4406 20/18/15	

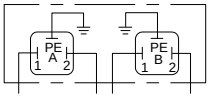
1)					
			®10V 4 φ 20mA		
		A	2.5	1.5	0.8
	20,	Ω	2	4.8	19.5
			3	7.2	28.8
		%	ED100%		
		,	150		
EN 60529			IP 65		
2)					
	4WRA...L2X		VT-VSPA2-...-L2X		
	4WRAE...L2X		(OBE)		
		VDC	24		
		V	21/22(4WRA) 19(4WRAE)		
		V	35		
	I	A	<1.8		
		A	3		

mm

·4WRA...L2X ( )

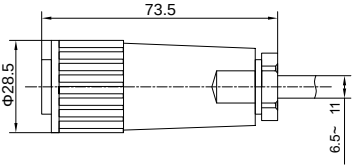
DIN EN
175301-803 ISO 4400

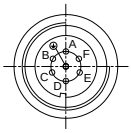




·4WRAE...L2X ( )

DIN EN 175201-804





4WRAE

		A1	F1
	A	24 VDC(U(t)=19V 35V)	
	B	GND	
	C	1)	
	D	®10V Re>50KΩ	4 20mA Re>100Ω
	E		
	F	1)	

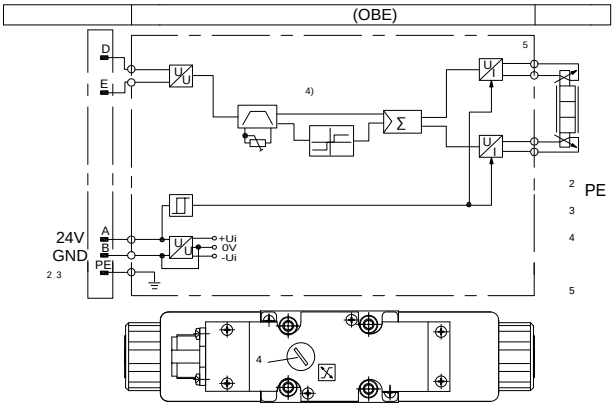
1 C F

:

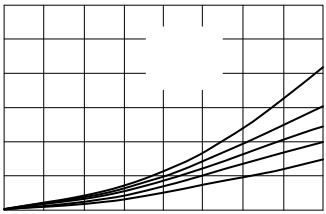
25m LiYCY5Ô0.75mm¯
50m LiYCY5Ô1.0mm¯
6.5 11mm
PE k

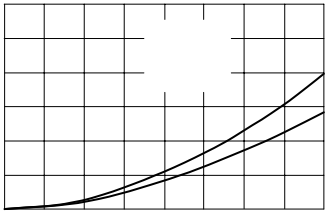
:

D ! E (0 10V 12-20mA) P A B T k
D ! E (0 -10V 12-4mA) P B A T k
a (EA WA) D ! E P B A T k



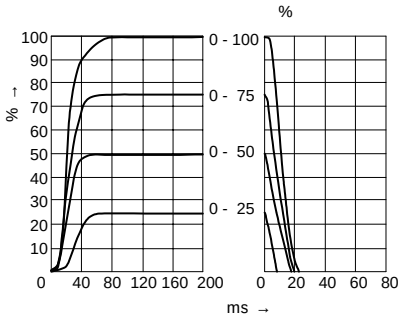
0 2.5s
T T k



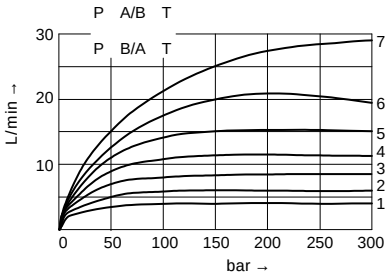


(HLP46 ϑ =40¸ ®5¸)

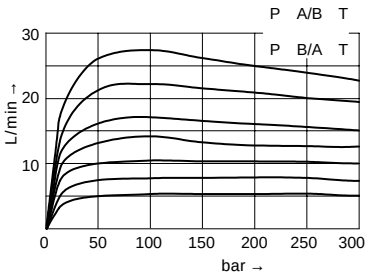
6



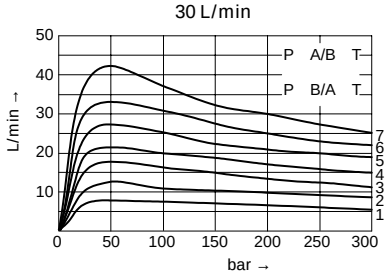
7 L/min



15 L/min



30 L/min



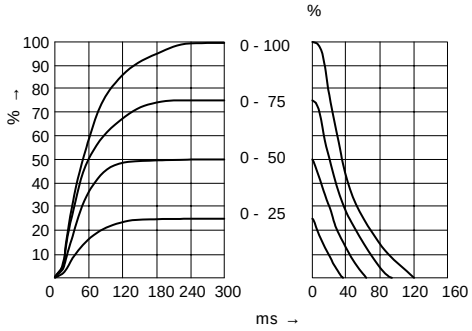
1. = 40 %
2. = 50 %
3. = 60 %
4. = 70 %
5. = 80 %
6. = 90 %
7. = 100 %

k

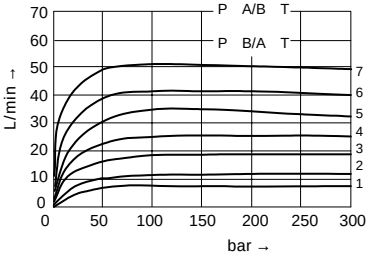
06

(HLP46 ϑ =40 ® 5)

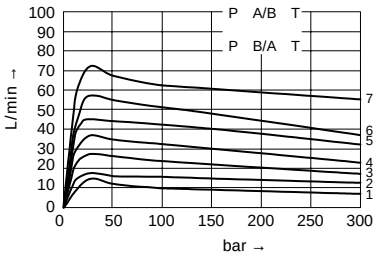
10



30 L/min



60 L/min

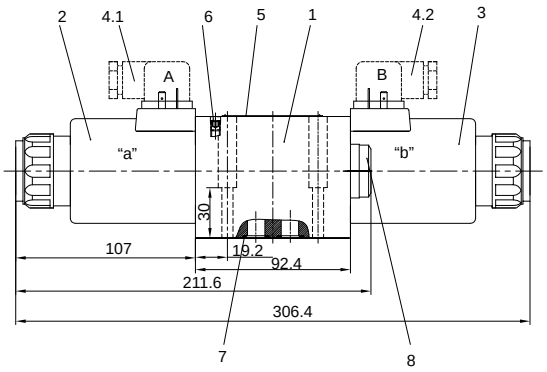


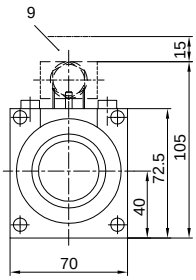
1. = 40 %
2. = 50 %
3. = 60 %
4. = 70 %
5. = 80 %
6. = 90 %
7. = 100 %

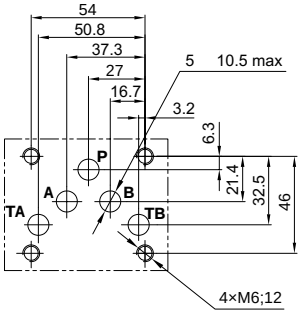
k

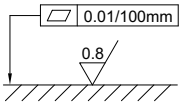
(mm)

4WRA10...L2X









1 :

2 a

3 b - 4 S.H.C.S.ISO 4762-M6Ô40-10.9

4.1 A - 4 GB/T 70.1-M6Ô40-10.9

4.2 B - M_A=15.5Nm®10%

5

6

7 R 13Ô1.6Ô2 O 12Ô2 A ¦ B ¦ P ¦ T)

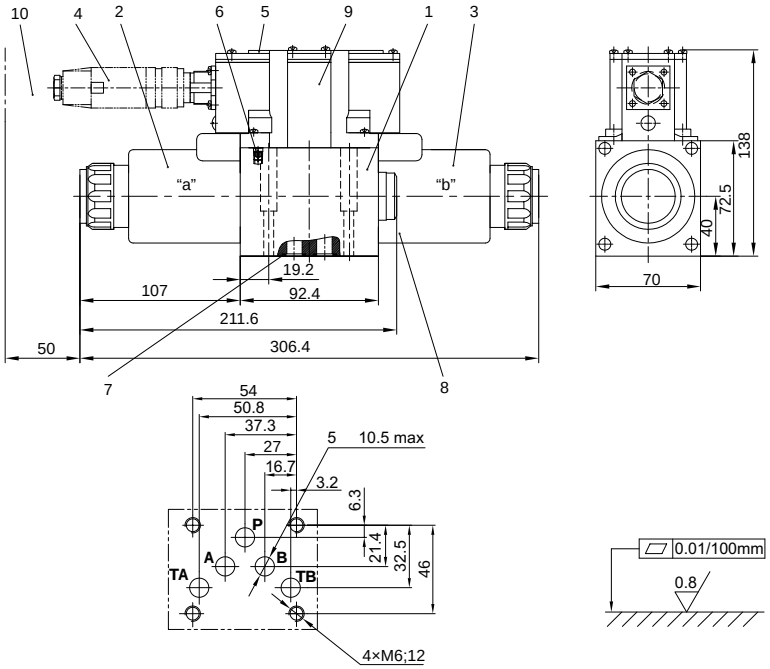
8 EA WA

9

06

(mm)

4WRAE10…L2X



1 :

2 a

3 b - 4 S.H.C.S.ISO 4762-M6Ô40-10.9

4 - 4 GB/T 70.1-M6Ô40-10.9

5 - M_A=15.5Nm®10%

6

7 R 13Ô1.6Ô2 O 12Ô2 A ¦ B ¦ P ¦ T)

8 EA WA

9 (OBE)

10

06