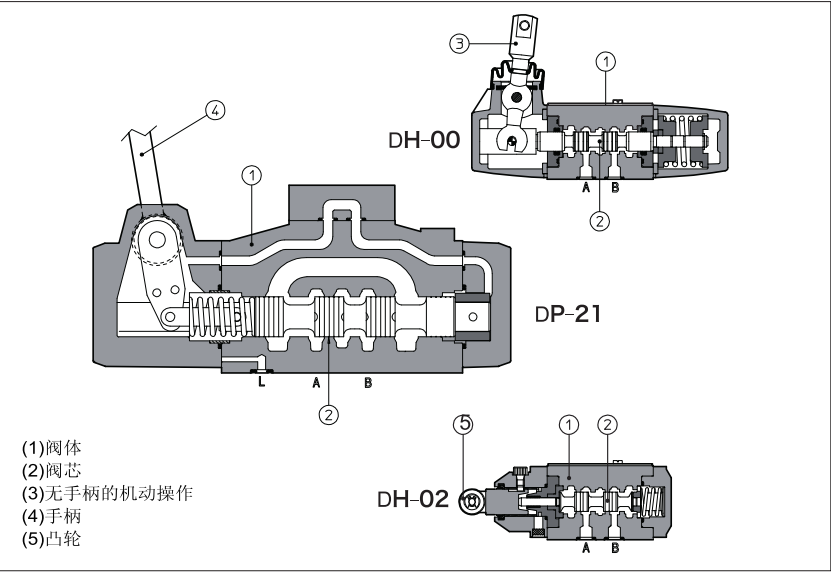


手动和机动操作方向阀
ISO4401标准，6，10，16和25通路



手动和机动操作方向阀为滑阀型,3通或4通,2位或3位,用于液压系统中。

能提供下列形式:

- 机动-无手柄操纵
- 手动-手柄操纵
- 凸轮(仅有06和10通路)

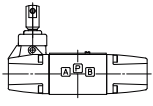
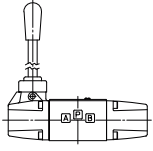
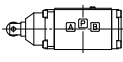
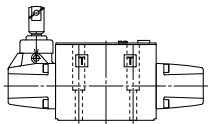
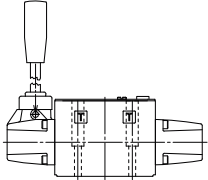
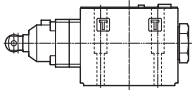
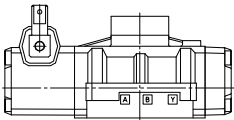
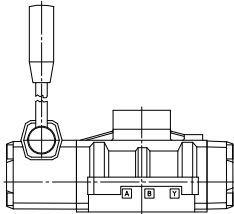
- DH-0=ISO 4401标准,6通路,流量达50 l/min
- DK-10(11)=ISO 4401标准,10通路,流量达100 l/min
- DK-12=ISO 4401标准,10通路,流量达140 l/min
- DP-2=ISO 4401标准,16通路,流量达300 l/min
- DP-3=ISO 4401标准,25通路,流量达650 l/min

最大压力:
对于DH-0, DP-2, DP-3可达350 bar;
对于DK-1, 可达315 bar。

1 型号

DH-0	1	1	3	/I	**	/*
方向控制阀 DH-0=6通路 DK-1=10通路 DP-2=16通路 DP-3=25通路						系统油液: /WG=水乙二醇 /PE=磷酸酯
操作器类型 0=机械式,无手柄 1=手柄式 2=凸轮式(仅有DH-0和DK-1型)						设计号
阀机能见[4]节 0=自由,无弹簧 1=弹簧对中,无机械定位 2=返回至中位(手柄向外) 3=返回至端位(手柄向着阀) 4=3位,机械定位 5=2端位,机械定位 6=中位加端位,机械定位 7=从中位返回至端位 8=从端位返回至中位						选项: /A=操纵靠近B口 仅对手柄式: /C=短手柄,缓冲(仅对DH-01) 仅对手柄操纵的6, 7, 8阀机能, 液压简图参见[4], [5]节: /I =在静止位置,手柄向着阀体 /E=在静止位置,手柄背着阀体 仅对DK-1阀: /Y=外泄
阀芯机能见[5]节						

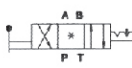
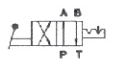
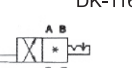
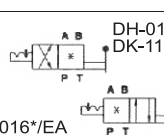
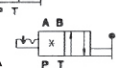
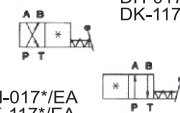
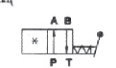
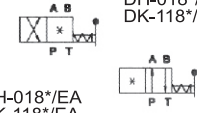
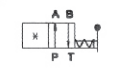
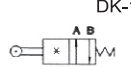
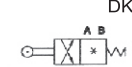
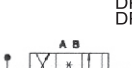
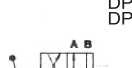
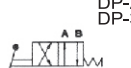
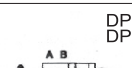
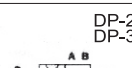
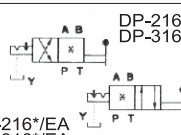
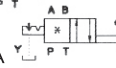
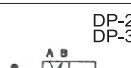
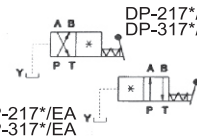
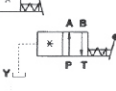
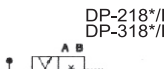
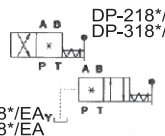
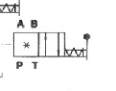
2 液压特性

       					
阀型号		DH-0	DK-1(DK-12)	DP-2	DP-3
最大推荐流量	[l/min]	50	100(140)	300	650
P,A,B口最大压力	[bar]	350	315	350	350
T口最大压力	[bar]		160	250	

3 手动和机动操作方向阀主要特性

装配位置	任意位置
安装面要求	粗糙度Ra0.4,平面度0.01/100(ISO1101标准)
环境温度	从-20℃到+70℃
油液种类	液压油符合DIN51524...535,对其它类型的介质见[1]节
推荐粘度	40℃时为15~100mm ² /S(ISOVG 15~100标准)
油液清洁度	符合ISO19/16标准,建议用25 μm及β ₂₅ ≥75进油过滤器
油液温度	标准密封和/WG密封-20℃~+60℃, /PE密封-20℃~+80℃,

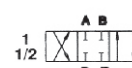
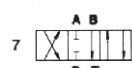
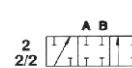
4 阀机能

 DH-011* DK-111*	 DH-012* DK-112*	 DH-013* DK-113*	 DH-014* DK-114*	 DH-015* DK-115*
 DH-016*/I DK-116*/I	 DH-016*/E DK-116*/E	 DH-016*/IA DK-116*/IA  DH-016*/EA DK-116*/EA	 DH-017*/I DK-117*/I	 DH-017*/E DK-117*/E
 DH-017*/IA DK-117*/IA  DH-017*/EA DK-117*/EA	 DH-018*/I DK-118*/I	 DH-018*/E DK-118*/E	 DH-018*/IA DK-118*/IA  DH-018*/EA DK-118*/EA	
 DH-0230/2 DH-0231/2 DK-1230/2 DK-1231/2	 DH-0232/2 DK-1232/2	 DH-027* DK-127*	 DH-028* DK-128*	
 DP-211* DP-311*	 DP-212* DP-312*	 DP-213* DP-313*	 DP-214* DP-314*	 DP-215* DP-315*
 DP-216*/I DP-316*/I	 DP-216*/E DP-316*/E	 DP-216*/IA DP-316*/IA  DP-216*/EA DP-316*/EA	 DP-217*/I DP-317*/I	 DP-217*/E DP-317*/E
 DP-217*/IA DP-317*/IA  DP-217*/EA DP-317*/EA	 DP-218*/I DP-318*/I	 DP-218*/E DP-318*/E	 DP-218*/IA DP-318*/IA  DP-218*/EA DP-318*/EA	

(1) (*) 没表示出的阀芯形式中位参见[5]机能

(2)图中表示的手柄操纵的各种机能符号也同样适用于无手柄的机动阀。

5 阀芯中位机能，请参看样本E001部分

 0/2	 3	 6
 1/2	 4	 7
 2/2	 5	 8

注意:

-阀芯0/2,1/2,2/2仅适用于DH-023*/2和DK-123*/2型阀

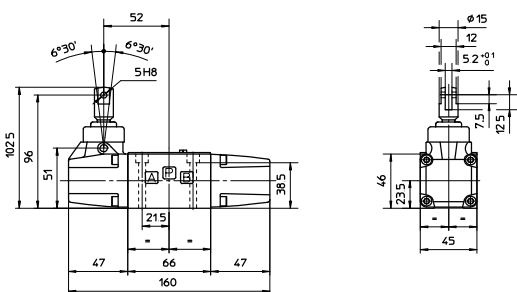
-阀芯0和3也可用0/1和3/1替代,这种阀芯在中位时油口至油箱有节流。

-阀芯1,4和5也可用1/1,4/8和5/1替代。他们能使阀在换向时有效地减少冲击。

-其他类型的阀芯可按需提供。

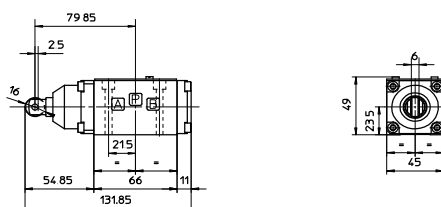
6 ISO4401标准, 6通径 手动和机动阀尺寸 [mm]

DH-00**



质量: 1.2kg

DH-02**

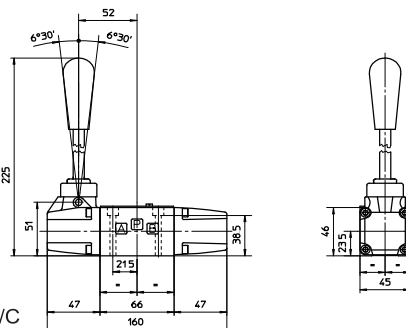


工作行程2.5mm; 附加行程0.5mm (最大)

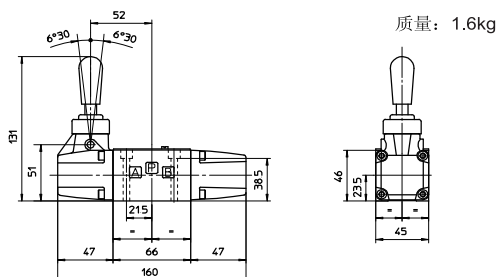
质量: 1.2kg

安装界面, 见样本E010部分

DH-01**



DH-01**/C



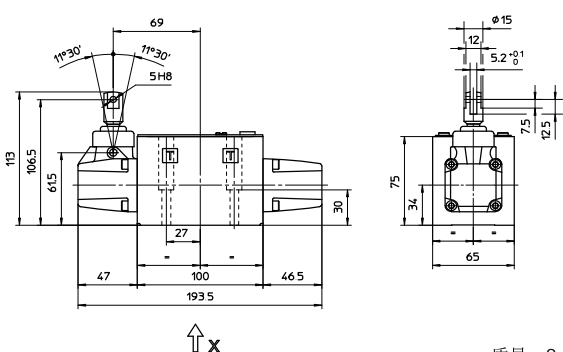
质量: 1.6kg

ISO 4401 : 2005
安装面: 4401-03-02-0-05
紧固螺钉: 4个M5×50内六角螺钉, 12.9级
拧紧扭矩=8Nm
油口直径: A,B,P,T: Ø=7.5mm(最大)
密封圈: 4个“O”型108密封圈

P =进油口
A,B=工作口
T =回油口
各油口的最大压力见第2节

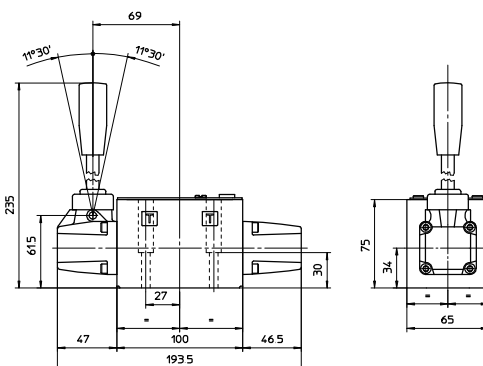
7 ISO4401标准, 10通径手动和机动阀尺寸 [mm]

DK-10**



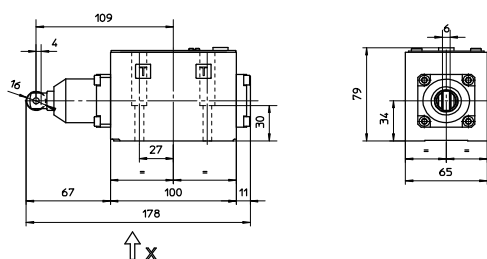
质量: 2.5kg

DK-11**



质量: 2.8kg

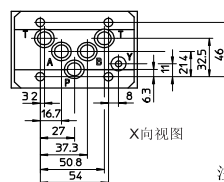
DK-12**



质量: 2.5kg

工作行程4mm,附加行程0.5mm(最大)

安装界面, 见样本E025部分



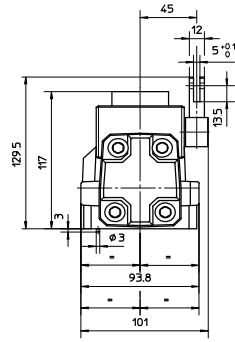
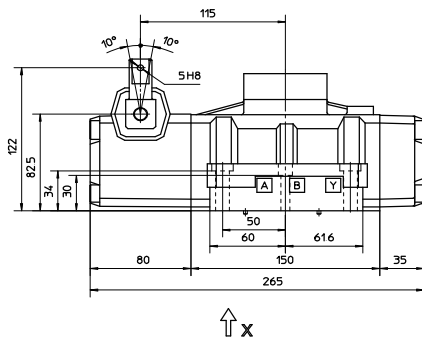
P =进油口
A,B=工作口
T =回油口
Y =泄油口
各油口的最大压力见第2节

注意:Y口通常是堵塞的;对选项择/Y,
Y口必须单独直接接油箱。

ISO 4401 : 2005
安装面: 4401-05-05-0-05
(无 X 口, Y 口可选)
紧固螺钉:4个M6×40内六角螺钉, 12.9级
拧紧扭矩=15Nm
油口直径:A,B,P,T:Ø=11.2mm(最大)
密封圈:5个“O”型2050密封圈

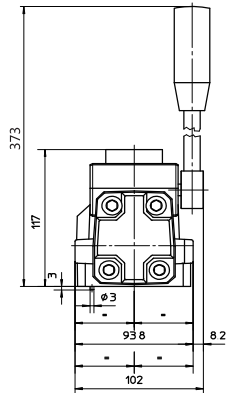
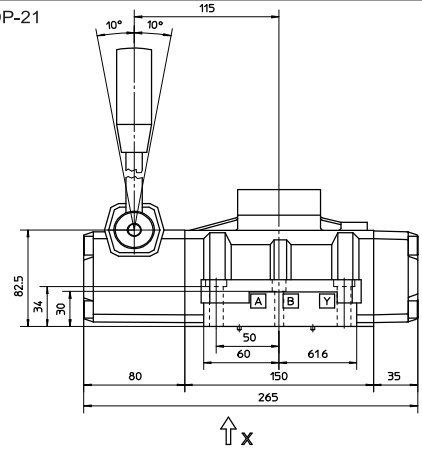
8 ISO4401标准, 16通径规格手动和机动阀尺寸 [mm]

DP-20



质量: 9.7kg

DP-21

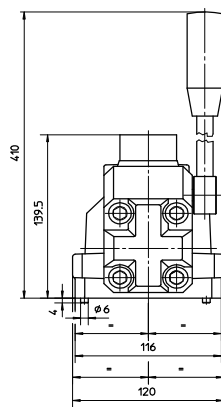
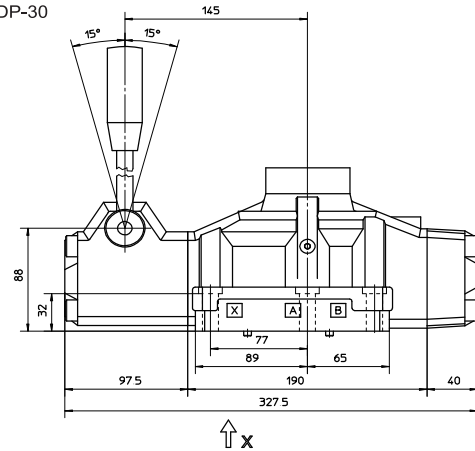


质量: 10kg

安装界面, 参见样本E080部分

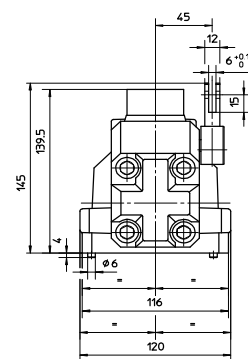
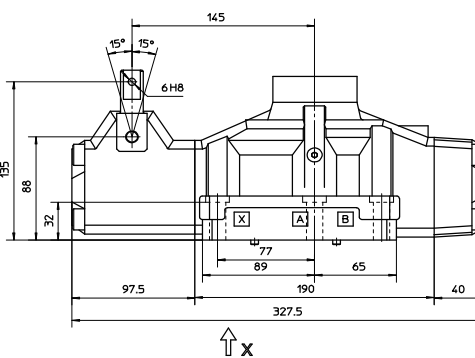
9 ISO4401标准, 25通径规格手动和机动阀尺寸 [mm]

DP-30



质量: 15.2kg

DP-31



质量: 15.5kg

安装界面, 参见样本E080部分

ISO 4401: 2005

安装面: 4401-07-07-0-05

紧固螺钉:

4个M10×50内六角螺钉, 12.9级

拧紧扭矩=70Nm

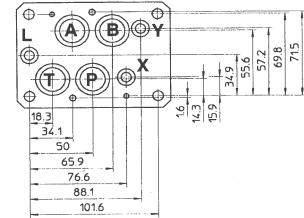
2个M6×40内六角螺钉, 12.9级

拧紧扭矩=15Nm

油口直径:A,B,P,T: Φ=20mm

油口直径:X,Y: Φ=7mm

密封圈:4个130和3个109“O”型圈



X向视图

P =进油口

A,B=工作口

T =回油口

X =外控口不用

Y =外泄口

L =液压对中的时的外泄口不用

所有油口的最大压力见第[2]节

注:油口X,L不用

外泄口Y须直接连至油箱

Y口不允许有背压

ISO 4401: 2005

安装面: 4401-08-08-0-05

紧固螺钉:

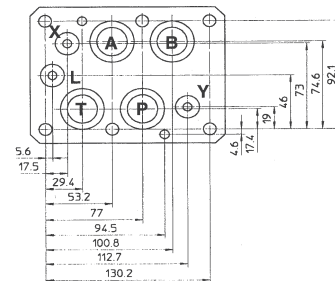
6个M12×50内六角螺钉, 12.9级

拧紧扭矩=125Nm

油口直径:A,B,P,T Φ=24mm

油口直径: X,Y Φ=7mm

密封圈:4个4112和3个3056“O”型圈



X向视图

P =进油口

A,B=工作口

T =回油口

X =外控口不用

Y =外泄口

L =液压对中的时的外泄口不用

所有油口的最大压力见第[2]节

注:油口X,L不用

外泄口Y须直接连至油箱

Y口不允许有背压