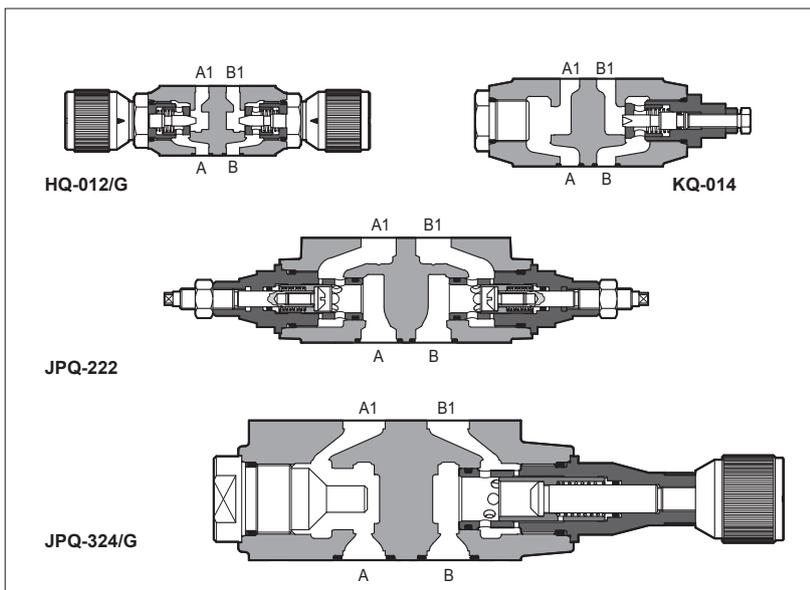


HQ,KQ,JPQ型叠加式节流阀

流量控制, ISO 4401标准, 06, 10, 16和25通径



HQ, KQ 和 JPQ是不带补偿的节流阀, 通过单向阀允许反向自由流动。

在常规型号中, 用螺栓装置来调节流量。调节装置可按要求提供带有刻度的微调手柄。顺时针转动增大节流 (通道减小)。

阀规格和最大流量:

HQ-0 = 06通径, /U选项流量高达25 l/min, 标准型流量高达80l/min

KQ-0 = 10通径, 流量高达160l/min

JPQ-2 = 16通径, 流量高达200l/min

JPQ-3 = 25通径, 流量高达300l/min

安装界面:

ISO 4401标准, 06, 10, 16和25通径

最大压力: **350bar** (HQ,JPQ)

315bar (KQ)

1 型号

HQ-0
叠加式流量控制阀, 规格: HQ-0 = 06通径 KQ-0 = 10通径 JPQ-2 = 16通径 JPQ-3 = 25通径

13	/	G
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**	/	*
设计号		
密封材料, 见第 [3] 节: - = NBR PE = FKM BT = HNBR		

机能, 见第 [2] 节

控制执行元件的回油:

12 = 双路, 控制A口和B口的回油

13 = 单路, 控制A口回油

14 = 单路, 控制B口回油

控制执行元件的进油:

22 = 双路, 控制A口和B口的回油

23 = 单路, 控制A口回油

24 = 单路, 控制B口回油

选项:

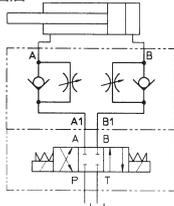
U = 对小流量更高的调节精度 (仅对HQ-0)

G = 带刻度微调装置

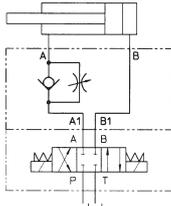
2 阀机能

控制执行元件的回油

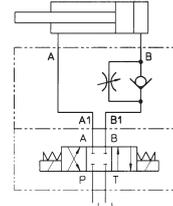
HQ-012
KQ-012
JPQ-212
JPQ-312



HQ-013
KQ-013
JPQ-213
JPQ-313

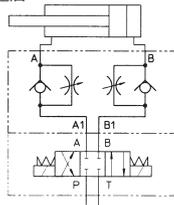


HQ-014
KQ-014
JPQ-214
JPQ-314

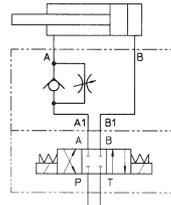


控制执行元件的进油

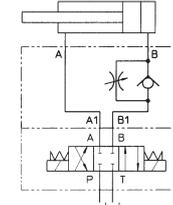
HQ-022
KQ-022
JPQ-222
JPQ-322



HQ-023
KQ-023
JPQ-223
JPQ-323



HQ-024
KQ-024
JPQ-224
JPQ-324

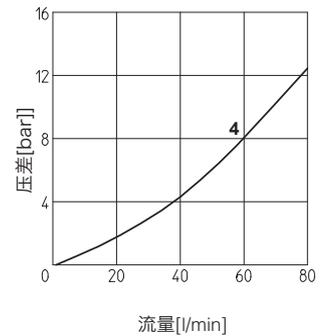
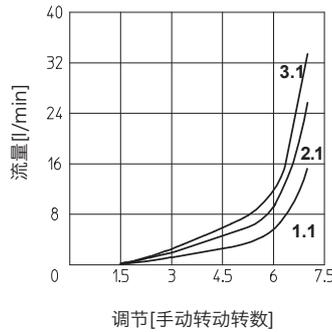
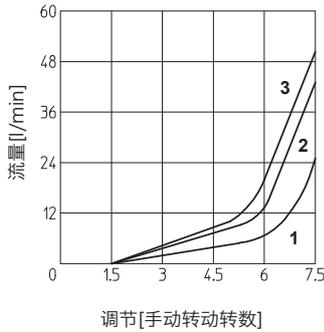


3 主要特征, 密封和油液 - 关于表中未列出的油液, 请咨询我们技术部

安装位置	任意位置		
安装面参数要求	粗糙度Ra0.4, 平面度0.01/100 (ISO 1101)		
MTTFd 值符合EN ISO 13849 标准	150年, 详细信息见技术样本P007		
环境温度范围	标准型 = -30°C ~ +70°C /PE选项 = -20°C ~ +70°C /BT 选项 = -40°C ~ +70°C		
密封, 推荐油液温度	NBR密封 (标准型) = -20°C ~ +60°C, 带HFC油液=-20°C ~ +50°C FKM密封 (/PE选项) = -20°C ~ +80°C HNBR密封 (/BT选项) = -40°C ~ +60°C, 带HFC油液=-40°C ~ +50°C		
推荐粘度	15~100mm ² /s- 最大允许范围2.8~500mm ² /s		
油液清洁度	ISO 4406 标准 21/19/16 NAS 1638 10级, 安装过滤精度为25μm 的进油过滤器,(β10≥75 推荐值)		
油液种类	适合密封类型	种类	参考标准
矿物油	NBR, FKM, HNBR	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524
不含水抗燃油液	FKM	HFDU, HFDR	ISO 12922
含水抗燃油液	NBR, HNBR	HFC	

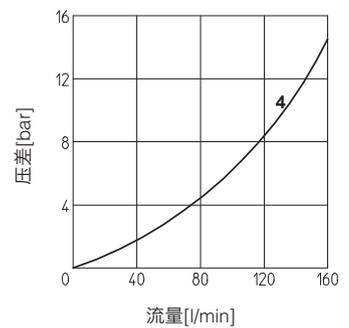
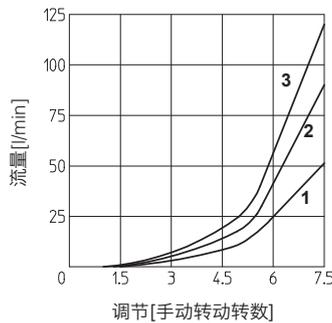
4 HQ-0曲线 基于油温50°C, ISO VG46 矿物油

- 1 = Δp为10bar时的调节曲线 (1.1=选项/U)
- 2 = Δp为30bar时的调节曲线 (2.1=选项/U)
- 3 = Δp为50bar时的调节曲线 (3.1=选项/U)
- 4 = 流经单向阀的Q/Δp曲线



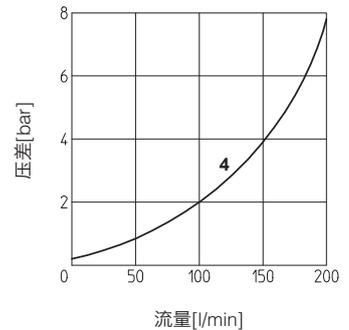
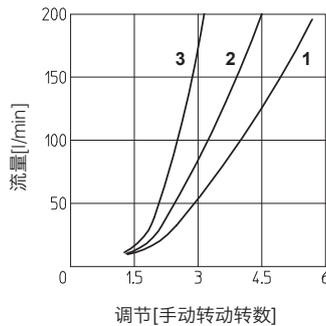
5 KQ-0曲线 基于油温50, ISO VG46 矿物油

- 1 = Δp为10bar时的调节曲线
- 2 = Δp为30bar时的调节曲线
- 3 = Δp为50bar时的调节曲线
- 4 = 流经单向阀的Q/Δp曲线



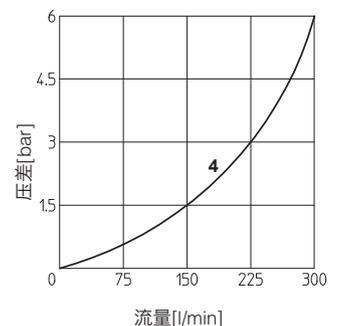
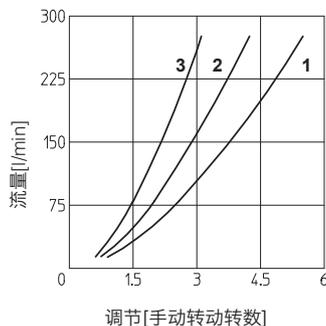
6 JPQ-2曲线 基于油温50, ISO VG46 矿物油

- 1 = Δp为10bar时的调节曲线
- 2 = Δp为30bar时的调节曲线
- 3 = Δp为50bar时的调节曲线
- 4 = 流经单向阀的Q/Δp曲线



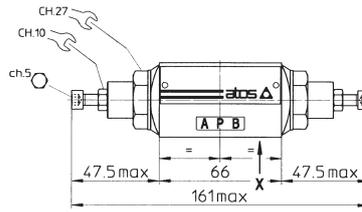
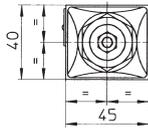
7 JPQ-3曲线 基于油温50, ISO VG46矿物油

- 1 = Δp为10bar时的调节曲线
- 2 = Δp为30bar时的调节曲线
- 3 = Δp为50bar时的调节曲线
- 4 = 流经单向阀的Q/Δp曲线



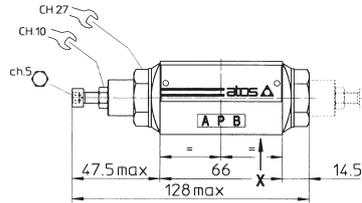
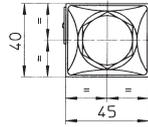
8 HQ-0型阀安装尺寸[mm]

HQ-012
HQ-022



质量: 1.1 Kg

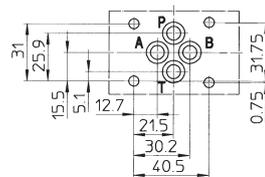
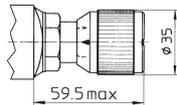
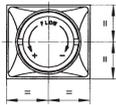
HQ-013
HQ-014
HQ-023
HQ-024



-014和-024型阀, 调节元件在B口侧
(虚线所示), 而不是在A口侧。

质量: 1.2 Kg

选项/G



ISO 4401: 2005

安装界面: 4401-03-02-0-05

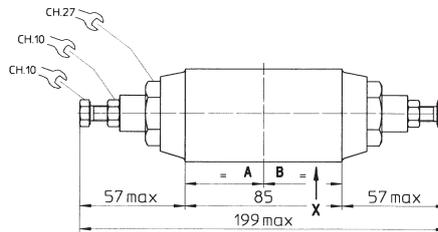
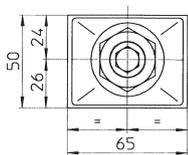
A, B, P, T口尺寸: $\varnothing = 7.5 \text{ mm(max)}$

密封圈: 4xOR108

紧固螺钉: 4个M5内六角螺钉, 长度由叠加阀的数量和型号决定。

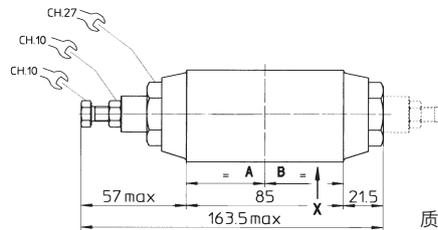
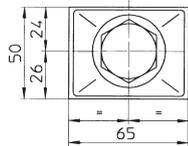
9 KQ-0型阀安装尺寸[mm]

KQ-012
KQ-022



质量: 2 Kg

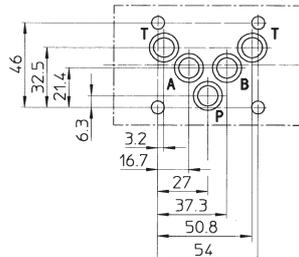
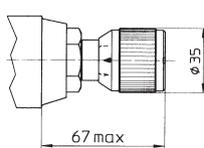
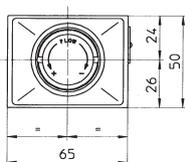
KQ-013
KQ-014
KQ-023
KQ-024



-014和-024型阀, 调节元件在B口侧
(虚线所示), 而不是在A口侧。

质量: 2.2 Kg

选项/G



ISO 4401: 2005

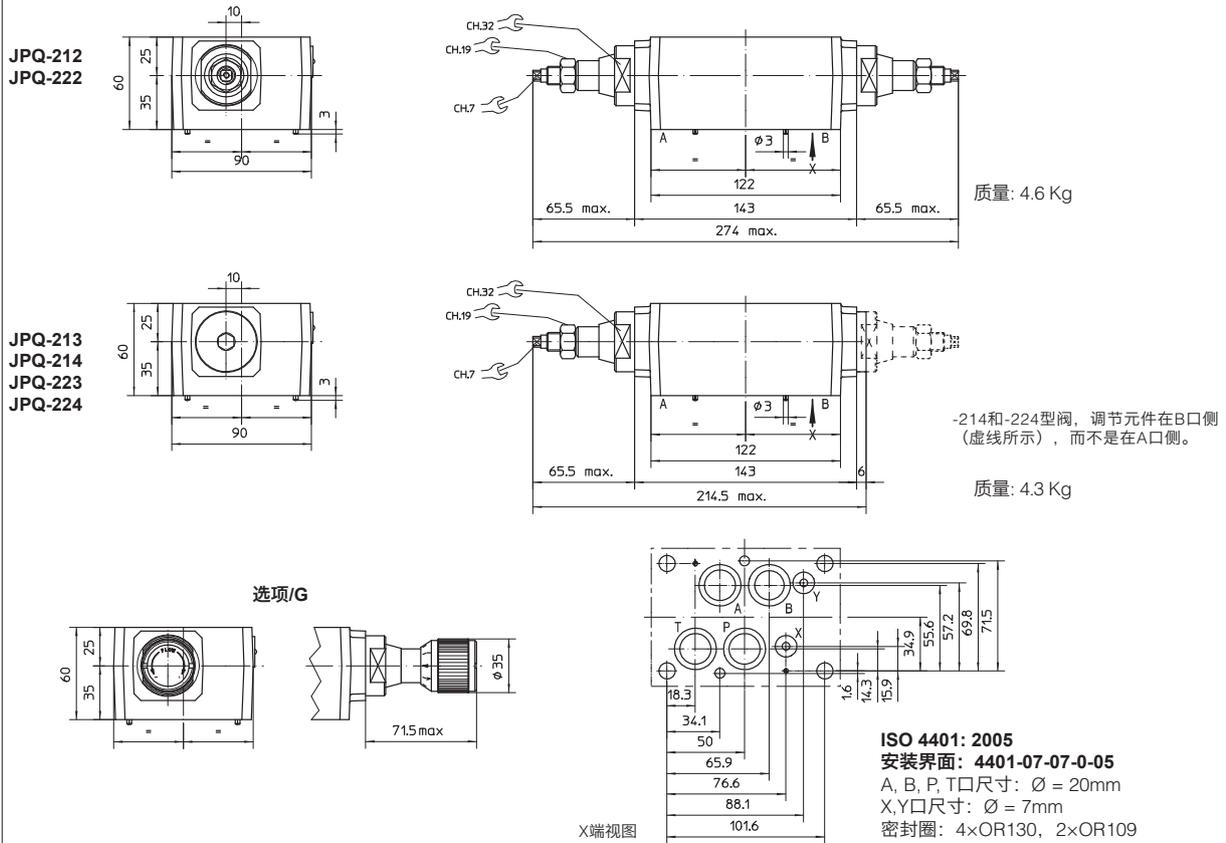
安装界面: 4401-05-04-0-05

A, B, P, T口尺寸: $\varnothing = 11.2 \text{ mm}$

密封圈: 5xOR2050

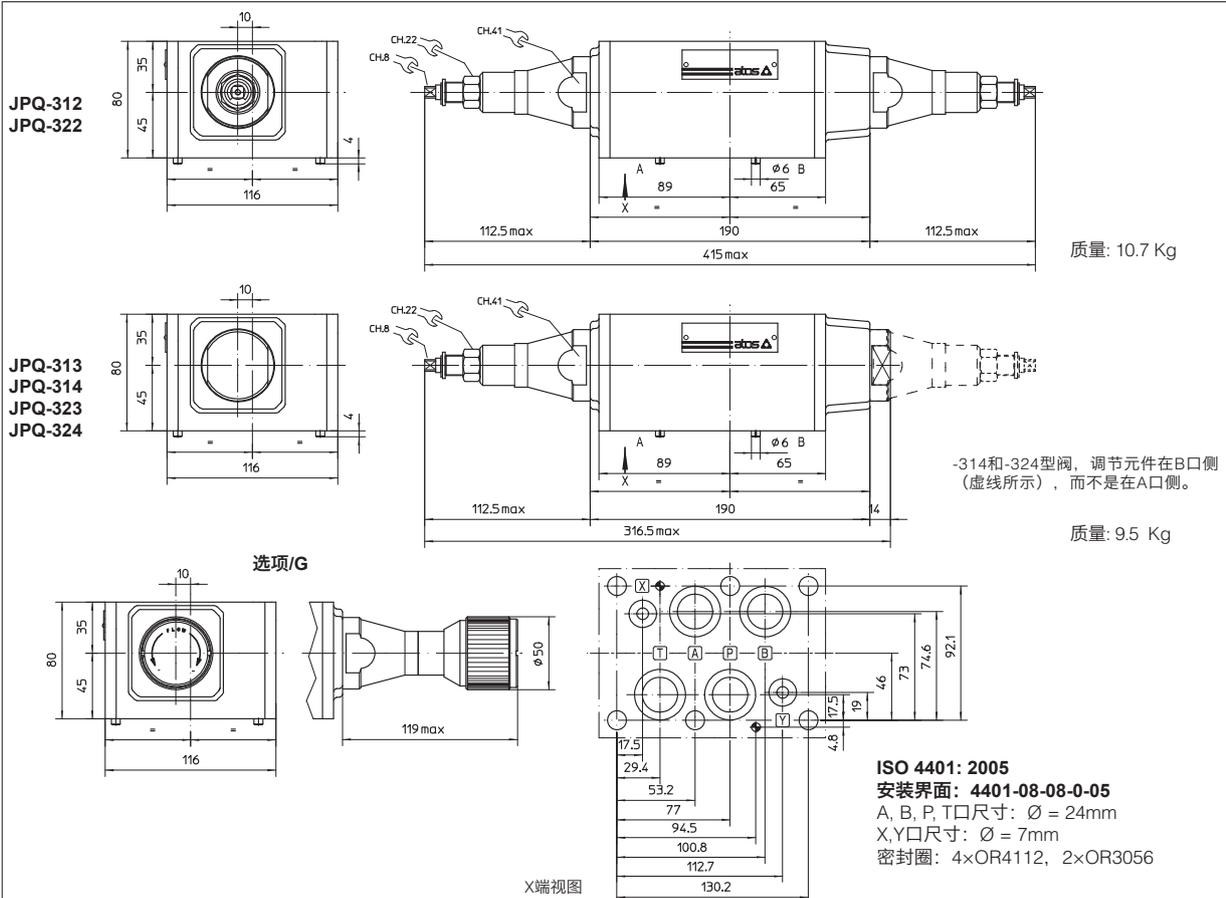
紧固螺钉: 4个M6内六角螺钉, 长度由叠加阀的数量和型号决定。

10 JPQ-2型阀安装尺寸[mm]



紧固螺钉: 4个M10和2个M6内六角螺钉, 长度由叠加阀的数量和型号决定。

11 JPQ-3型阀安装尺寸[mm]



紧固螺钉: 6个M12内六角螺钉, 长度由叠加阀的数量和型号决定。