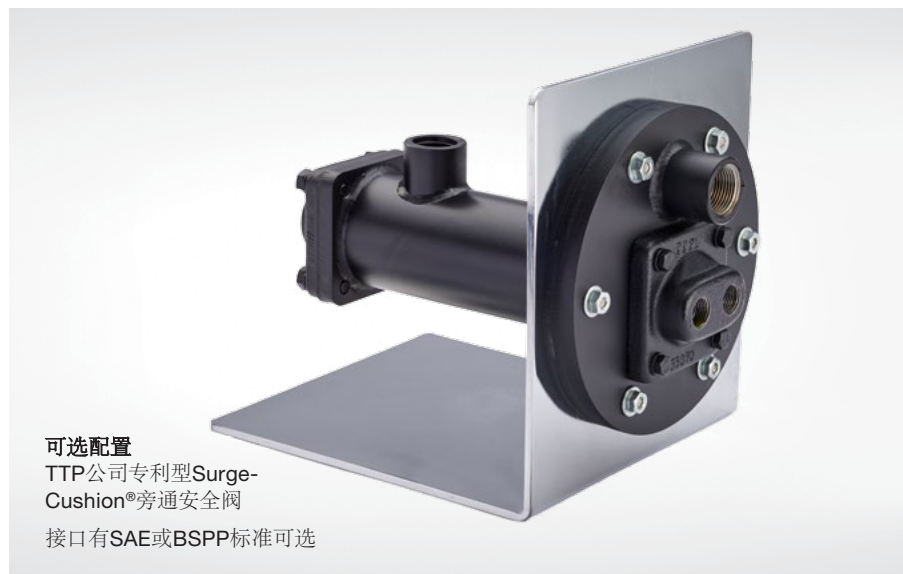


流体冷却 管壳式 EKT 系列

铜管/碳钢壳体结构

产品特点

- 内置油箱式设计,专为液压站设计
- 结构紧凑
- 性能与EK系列相同
- 高效的翅片管束设计
- 可拆并维护
- 拆卸方便
- 内置油箱设计,节省了安装空间要求并减少管路数量
- 内置铝翅片,增强换热效果
- 封头可拆卸,便于换热管的清洗
- 钢制结构,结实耐用



可选配置
TTP公司专利型Surge-Cushion®旁通安全阀
接口有SAE或BSPP标准可选

额定参数

最大工作压力 - 壳侧
75 PSI (5 BAR)

最大工作压力 - 管侧
150 PSI (10 BAR)

测试压力 - 壳侧
75 PSI (5 BAR)

最大工作压力 - 管侧
150 PSI (10 BAR)

最高工作温度
250°F (120°C)

材质

壳体 碳钢
换热管 紫铜
翅片 铝
管板 碳钢
折流板 碳钢
封头 铸铁
密封垫片 丁晴橡胶或压缩纤维

可选配 Surge-Cushion®

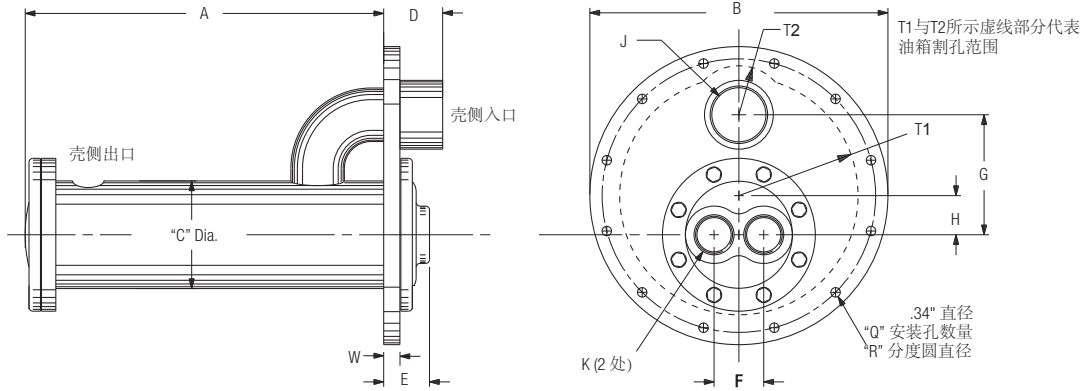
Surge-Cushion® 是TTP公司专利保护设计的一种内部旁通过压保护装置。在系统冷启动或者进入换热器的流量超过其最大允许流量时,通过该装置可旁通流量以保护换热器。该装置可替代外部旁通阀,但注意该装置为部分流量旁通而非系统全流量旁通。旁通压力为1 BAR。

产品型号

	-		-	
产品系列		产品规格		内置旁通阀
EKT EKTS EKTM				空白 - 无 R - 带内置旁通阀

EKT = NPT接口
EKTS = SAE O型圈密封壳侧接口
EKTM = 公制接口

外形尺寸



规格	A	B	C	D	E	F	G	H	J		K NPT BSPP	Q	R	T1	T2	W	重量 (LBS)	
									NPT BSPF	SAE							净重	发货重量
EKT-508	8.87	6.79	2.55	1.84	1.68	1.12	2.44	.50	3/4	#12	3/8	6	5.60	2.25	.79	.62	11	14
EKT-518	18.87	6.79	2.55	1.84	1.68	1.12	2.44	.50	3/4	#12	3/8	6	5.60	2.25	.79	.62	14	16
EKT-708	8.72	9.75	3.52	2.22	1.67	1.62	3.94	1.25	1½	#24	3/4	12	4.00	4.00	—	.70	23	27
EKT-188	18.72	9.75	3.52	2.22	1.67	1.62	3.94	1.25	1½	#24	3/4	12	4.00	4.00	—	.70	30	34
EKT-1012	12.55	10.38	5.05	2.22	2.23	2.38	4.69	1.19	1½	#24	1	12	4.38	4.38	1.12	.70	42	46
EKT-1024	24.55	10.38	5.05	2.22	2.23	2.38	4.69	1.19	1½	#24	1	12	4.38	4.38	1.12	.70	58	63

/ = 97M ± .6Y bj(j) "d + Yb

Tank gasket is included. BSPP threads are 55° full form whitworth.

Selection Procedure

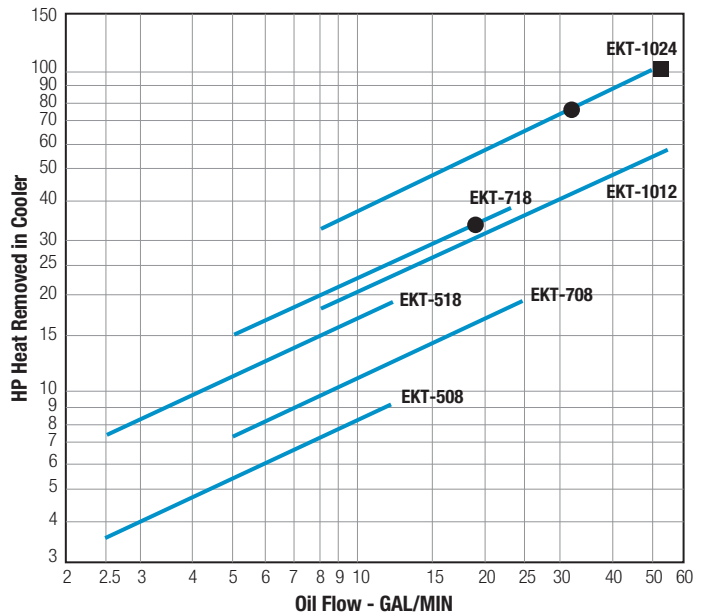
Performance Curves are based on a 40°F approach temperature, a 2:1 oil to water ratio and an average oil viscosity of 100 SSU. Example: oil leaving cooler at 125°F with 85°F cooling water (125°F - 85°F = 40°F). The 2:1 oil to water ratio means that for every GPM of oil circulated, a minimum of 1/2 GPM of water must be circulated to obtain the curve results.

STEP 1 Corrections for approach temperature and oil viscosity.

$$HP_{\text{Heat Removed in Cooler}} = HP_{\text{Actual}} \times \left[\frac{40^\circ\text{F}}{\text{Oil out and } ^\circ\text{F} - \text{Water in } ^\circ\text{F}} \right] \times \text{Correction A}$$

STEP 2 Oil Pressure Drop Coding: ● = 5 PSI ■ = 10 PSI. Curves having no pressure drop symbol indicate that the oil pressure drop is less than 5 PSI to the highest oil flow rate for that curve. Multiply curve oil pressure drop by Correction B.

Performance Curves



Viscosity Corrections

Average Oil SSU	A	B
50	0.84	0.6
100	1.00	1.0
200	1.14	2.0
300	1.24	3.1
400	1.31	4.1
500	1.37	5.1

Maximum Flow Rates

Unit Size	Shell Side GPM	Tube Side GPM
500	20	6
700	70	12
1000	100	28

If maximum allowable flow rates are exceeded, premature failure may occur.