

# 二甲苯装置 吸附塔过滤器滤芯 委外加工 发包技术要求

## 一、承揽商资质要求：

1、承揽商需具有独立法人资格和履行合同能力，有良好的信誉和售后服务能力。

2、承揽商具备相应过滤器装置、滤芯、滤材的技术开发设计、生产制造资质，或具有过滤器、滤芯技术服务的相应成功业绩（提供相应制造或改造业绩合同），在此行业无不良业绩。

## 二、设备位号、滤芯型号规格：

41/43-F-201/202/203

①开工（阶段）时：G100AW50S-1PK（100um）；

②正常（常规生产）时：G10AW50S-1PK（10um）；

## 三、委外加工明细：

序号	物品名称	规格型号及要求		加工数量
		加工前	加工后	
1	滤芯	G100AW50S-1PK (100um)	G10AW50S-1PK (10um)	3000 根

## 四、相关技术与验收要求：

1、承揽商需负责滤芯的往返运输：厂家安排车辆从我司取走滤芯，加工完成后再运送返回我司；取货和返厂装卸货可由我司负责。

2、承揽商从我司取走滤芯前，应确认该批滤芯的完好可加工性。保证取走与返回的滤芯数量一致，以及成品保护。

3、我司可提供 10um 过滤精度的滤芯作为样品，承揽商负责将 100um 滤芯加工成 10um 过滤精度的滤芯（我司提供 G100AW50S-1PK 滤芯，其余加工所需材料均由乙方负责）。

4、滤芯加工需保质保量，加工完成后的滤芯外观和过滤精度需与样品一致，满足过滤器的使用要求，技术参数详见附件：《吸附塔过滤器设计、操作工况参数》。

5、承揽商供货时，每根滤芯需做薄膜密封保护，并定量纸箱包装，满足可靠、牢固、防震、防雨、防摔坏和承受多次装卸的货物运输包装要求。

6、交货验收时，保证滤芯外观及其包装完好，并随货提供产品质量证明文件（合格证、检测报告、材质报告等质量证明资料）。

## 五、工期和运送要求：

1、承揽商安排取货车辆从我司运走滤芯（G100AW50S-1PK）进行加工；并安排送货车辆将加工完成后的滤芯（G10AW50S-1PK）送至我司。

2、我司通知厂商中标后，需 30 天内完成返厂（包含来回运输和加工时间）。但不限于因装置生产需要，要求部分滤芯提前返厂。

3、提货和交货地点：福建福海创石油化工有限公司 PX 厂区。

芳烃团队      经办：                      审核：                      核准：

设备管理部    经办：                      审核：                      核准：



Pall Filter (BeiJing) Co., Ltd  
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Dragon Aromatics ( Zhangzhou) Co; Ltd  
询价号: 413061-1000-EN30-TER-0002

## 2.1.4 41-F-201A/B; 43-F-201A/B Feed Filters Specification Sheet

### Operating Conditions

Type of fluid to be Filtered	Xylenes
Operating Pressure/Temperature	2.37Mpa(g) @ 175 °C
Flow	710.7m3/h
Density	867.4kg/m3@15°C, 727.3kg/m3@PT
Viscosity	0.20cp@PT
Rating	10 um
Required Clean DP	by vendor
Required Dirty DP	0.15Mpa

### Housing

Housing Part Number	R48EC-4G193CH25P4-CC9406
Number of Housing Required	4
Manufacture	Pall China
Manufacture Code	GB150-98
Housing Material of Construction	Q345R
Closure Seal	304/Graphite
Design Pressure/ Temperature	3.49Mpa @ 195°C
Dimensions	Φ600×H3438 (mm)
Volume capacity	0.79m3
Net Weight	1250kg
Inlet/Outlet	12" ASME 300# WNRF
Designed Clean DP	0.02MPa
Designed Dirty DP	0.28Mpa
Design Flow	800m3/h

### Element ( for start-up)

Cartridge P/N	G100AW40S-1PK
Material	Heat Purified Glass Fiber
Manufacture	Pall USA
Number of Elements Required	192 pcs ( 48pcs per filter)
Filtration Area	0.205m2/pcs
Total Area per filter	9.84m2
Cartridge Description	OD.2 1/2"×H 40"
Removal rating	100um (99%)



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## 2.1.5 41-F-202A/B; 43-F-202A/B Desorbent Filters Specification Sheet

### Operating Conditions

Type of fluid to be Filtered	PDEB+ C10 aromatic
Operating Pressure/Temperature	2.37Mpa(g) @ 175 °C
Flow	972.5m3/h
Density	865.6kg/m3@15°C, 743.3kg/m3@PT
Viscosity	0.25cp@PT
Rating	10 um
Required Dirty DP	0.15Mpa

### Housing

Housing Part Number	R72EC-4G225CH25P4-CC9407
Number of Housing Required	4
Manufacture	Pall China
Manufacture Code	GB150-98
Housing Material of Construction	Q345R
Closure Seal	304/Graphite
Design Pressure/ Temperature	3.73Mpa @ 195°C
Dimensions	Φ700×H3477 (mm)
Volume capacity	1.1m3
Net Weight	1650 kg
Inlet/Outlet	14" ASME 300# WNRF
Designed Clean DP	0.02MPa
Designed Dirty DP	0.28MPa
Designed Flow	1100m3/h

### Element ( for start-up)

Cartridge P/N	G100AW40S-1PK
Material	Heat Purified Glass Fiber
Manufacture	Pall USA
Number of Elements Required	288pcs (72pcs per filter)
Cartridge Description	OD.2 1/2"×H 40"
Filtration Area	0.205m2/pcs
Total Area per filter	14.8m2
Removal Rating	100um (99%)

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## 2.1.6 41-F-203A/B; 43-F-203A/B Backwash Filters Specification Sheet

### Operating Conditions

Type of fluid to be Filtered	Paraxylene
Operating Pressure/Temperature	2.37Mpa(g) @ 155 °C
Flow	72.8m <sup>3</sup> /h
Density	746.1kg/m <sup>3</sup>
Viscosity	0.21cp@PT
Rating	10 um
Required Dirty DP	0.15MPa

### Housing

Housing Part Number	R07EC-4G65H25-CC9408
Number of Housing Required	4
Manufacture	Pall China
Manufacture Code	GB150-98
Housing Material of Construction	Q345R
Closure Seal	304/Graphite
Design Pressure/ Temperature	3.81Mpa @ 184 °C
Dimensions	Φ325×H2070(mm)
Volume capacity	0.11m <sup>3</sup>
Inlet/Outlet	4" ASME 300# WNRF
Designed Clean DP	0.02MPa
Designed Dirty DP	0.28Mpa
Design Flow rate	80m <sup>3</sup> /h

### Element ( for start-up)

Cartridge P/N	G100AW40S-1PK
Material	Heat Purified Glass Fiber
Manufacture	Pall USA
Number of Elements Required	28pcs ( 7pcs per filter)
Filtration Area	0.205m <sup>2</sup> /pcs
Total Area per filter	1.435m <sup>2</sup>
Cartridge Description	OD.2 1/2"×H 40"
Removal Rating	100um(99%)