

No :
Tanggal : 28 Januari 2026
Dari : Engineering

SURAT PERMINTAAN BARANG

No	Kode Barang	Nama Barang, Tipe, Spesifikasi	Lokasi / User	Riwayat Pembelian				Jumlah Permintaan	Satuan	Target Date	Kategori		Keterangan
				Tanggal	Jumlah	No SPB	Supplier						
1	IMO02116	manual ball valve (for pure steam) φ25 Sanitary Clamp 316 L	Unit 8B	-	-	-	-	1	Unit	16-03-26	1. Inventaris		Sesuai Dengan Process & Utility Distribution Unit 8B P1.1 Permintaan Parts LOCAL Untuk Mixing Tank 5000 Liter No. 1 di Unit 8B. No Inventaris : 044/U.8/PROD/MIX.1/12/18
2	IMO02116	manual ball valve (for compressed air / Nitrogen switching) φ25 Sanitary Clamp 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26	2. Spareparts	V	
3	IMO20119	welded equal-diameter tee φ25*1.2 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26	3. Consumable		
4	IMO05011	long-radius elbow φ25*1.2 316L	Unit 8B	-	-	-	-	5	Unit	16-03-26	4. Jasa		
5	IMO03129	extended sanitary clamp fitting φ25*1.2 316L	Unit 8B	-	-	-	-	10	Set	16-03-26	5. Project		
6	IMO03129	pipe support φ25 304	Unit 8B	-	-	-	-	4	Unit	16-03-26			
7	IMO16049	pipeline φ25 316L @ 6 meter	Unit 8B	-	-	-	-	1	Batang	16-03-26			
8	PMSN00072	metal hose(for heating and cooling of the tank jacket) φ38 Sanitary Clamp 304 Flange Ferrule 50.4 mm	Unit 8B	-	-	-	-	2	Pcs	16-03-26			
9	IMO16424	pneumatic ball valve(for industrial steam and cooling water) φ38 sanitary clamp 304	Unit 8B	-	-	-	-	3	Unit	16-03-26			
10	IMO05011	long-radius elbow(for industrial steam and cooling water) φ38 304	Unit 8B	-	-	-	-	10	Unit	16-03-26			
11	IMO20119	welded equal-diameter tee(for industrial steam and cooling water) φ38 304	Unit 8B	-	-	-	-	6	Unit	16-03-26			
12	IMO03129	extended sanitary clamp fitting(for industrial steam and cooling water) φ38 Sanitary Clamp 304	Unit 8B	-	-	-	-	16	Unit	16-03-26			
13	IMO16007	industrial steam pressure gauge 0-0.6mpa (threaded connection/with coil tube) 304	Unit 8B	-	-	-	-	1	Set	16-03-26			

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				Tanggal	Jumlah	No SPB	Supplier						
14	IMO03129	pipe support ϕ 38 304	Unit 8B	-	-	-	-	5	Unit	16-03-26	1. Inventaris		Sesuai Dengan Process & Utility Distribution Unit 8B P1.1 Permintaan Parts LOCAL Untuk Mixing Tank 5000 Liter No. 1 di Unit 8B. No Inventaris : 044/U.8/PROD/MIX.1/12/18
15	IMO16129	pipeline (for industrial steam and cooling water) ϕ 38 304 @ 6 meter	Unit 8B	-	-	-	-	1	Batang	16-03-26	2. Spareparts	V	
16	IMO16129	pipeline (for the discharge of tank breather) ϕ 25 304 @ 6 meter	Unit 8B	-	-	-	-	1	Batang	16-03-26	3. Consumable		
17	IMO03129	extended sanitary clamp fitting(for the discharge of tank breather) ϕ 25*1.2 Sanitary Clamp 304	Unit 8B	-	-	-	-	4	Set	16-03-26	4. Jasa		
18	IMO16424	pneumatic ball valve(for the sterilization of tank breather) ϕ 38 Sanitary Clamp 304	Unit 8B	-	-	-	-	3	Unit	16-03-26	5. Project		
19	IMO20119	welded equal-diameter tee(for the discharge of tank breather) ϕ 25*1.2 304	Unit 8B	-	-	-	-	2	Unit	16-03-26			
20	IMO05011	long-radius elbow(for the discharge of tank breather) ϕ 25*1.2 304	Unit 8B	-	-	-	-	5	Unit	16-03-26			
21	IMO05011	45-degree elbow(for the discharge of tank breather) ϕ 25*1.2 304	Unit 8B	-	-	-	-	1	Unit	16-03-26			
22	PMSN00073	eccentric reducer(for the reducing connection of tank spray port) ϕ 38* ϕ 25*1.2 Sanitary Clamp 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26			
23	PMSN00073	eccentric reducer(for the transfer pump port) ϕ 64* ϕ 38*1.2 Sanitary Clamp 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26			
24	PMSN00073	eccentric reducer(for the tank bottom outlet) ϕ 51* ϕ 38*1.2 Sanitary Clamp 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26			
25	IMO05011	45-degree elbow(for the tank bottom outlet) ϕ 51*1.2 316L	Unit 8B	-	-	-	-	2	Unit	16-03-26			
26	IMO20119	welded equal-diameter tee(for the drug solution pipeline) ϕ 38*1.2 316L	Unit 8B	-	-	-	-	6	Unit	16-03-26			
27	IMO05011	long-radius elbow (for the drug solution pipeline) ϕ 38*1.2 316L	Unit 8B	-	-	-	-	30	Unit	16-03-26			

No	Kode Barang	Nama Barang, Tipe, Spesifikasi	Lokasi / User	Riwayat Pembelian				Jumlah Permintaan	Satuan	Target Date	Kategori		Keterangan
				Tanggal	Jumlah	No SPB	Supplier						
28	IMO03129	extended sanitary clamp fitting(for the drug solution pipeline) $\phi 38 \times 1.2$ Sanitary Clamp 316L	Unit 8B	-	-	-	-	20	Set	16-03-26	1. Inventaris		Sesuai Dengan Process & Utility Distribution Unit 8B P1.1 Permintaan Parts LOCAL Untuk Mixing Tank 5000 Liter No. 1 di Unit 8B. No Inventaris : 044/U.8/PROD/MIX.1/12/18
29	IMO16049	pipeline(for the drug solution pipeline) $\phi 38 \times 1.6$ @ 6 meter	Unit 8B	-	-	-	-	4	Batang	16-03-26	2. Spareparts	V	
30	IMO03129	pipe support (with round base, 20 pieces) $\phi 38 \times 304$	Unit 8B	-	-	-	-	20	Unit	16-03-26	3. Consumable		
31	IMO16424	pneumatic ball valve(for tank bottom discharge) $\phi 38$ Sanitary Clamp 304	Unit 8B	-	-	-	-	2	Unit	16-03-26	4. Jasa		
32	IMO16424	pneumatic ball valve(for filter discharge) $\phi 25$ Sanitary Clamp 304	Unit 8B	-	-	-	-	2	Unit	16-03-26	5. Project		
33	IMO03129	extended sanitary clamp fitting($\phi 15$ small tri-clamp) $\phi 12.7 \times 1.65$ Sanitary Clamp 304	Unit 8B	-	-	-	-	6	Set	16-03-26			
34	IMO05011	long-radius elbow(for filter discharge) $\phi 12.7 \times 1.65 \times 304$	Unit 8B	-	-	-	-	6	Unit	16-03-26			
35	PMSN00073	eccentric reducer(for filter discharge) $\phi 25 \times \phi 12.7 \times 1.2 \times 304$	Unit 8B	-	-	-	-	4	Unit	16-03-26			
36	IMO20119	welded equal-diameter tee(for filter discharge) $\phi 25 \times 1.2 \times 304$	Unit 8B	-	-	-	-	6	Unit	16-03-26			
37	IMO05011	long-radius elbow(for filter discharge) $\phi 25 \times 1.2 \times 304$	Unit 8B	-	-	-	-	5	Unit	16-03-26			
38	IMO16129	pipeline(for condensate drainage) $\phi 38 \times 1.2 \times 304$ @ 6 Meter	Unit 8B	-	-	-	-	1	Batang	16-03-26			
39	IMO03129	extended sanitary clamp fitting (for condensate drainage) $\phi 38 \times 1.2$ Sanitary Clamp 304	Unit 8B	-	-	-	-	3	Set	16-03-26			
40	IMO20119	extended reducing tee(for condensate drainage) $\phi 38 \times \phi 25 \times 1.6 \times 304$	Unit 8B	-	-	-	-	2	Unit	16-03-26			
41	IMO20119	welded equal-diameter(for condensate drainage) $\phi 38 \times 1.2 \times 304$	Unit 8B	-	-	-	-	2	Unit	16-03-26			
42	IMO05011	long-radius elbow(for condensate drainage) $\phi 38 \times 1.2 \times 304$	Unit 8B	-	-	-	-	4	Unit	16-03-26			
43	IMO02116	manual ball valve(for CIP drain and reflux switching) $\phi 51$ Sanitary Clamp 304	Unit 8B	-	-	-	-	2	Unit	16-03-26			

No	Kode Barang	Nama Barang, Tipe, Spesifikasi	Lokasi / User	Riwayat Pembelian				Jumlah Permintaan	Satuan	Target Date	Kategori		Keterangan
				Tanggal	Jumlah	No SPB	Supplier						
44	IMO20119	welded equal-diameter tee(for CIP drain and reflux) $\phi 51 \times 1.2 \times 304$	Unit 8B	-	-	-	-	2	Unit	16-03-26	1. Inventaris		Sesuai Dengan Process & Utility Distribution Unit 8B P1.1 Permintaan Parts LOCAL Untuk Mixing Tank 5000 Liter No. 1 di Unit 8B. No Inventaris : 044/U.8/PROD/MIX.1/12/18
45	IMO05011	long-radius elbow(for CIP drain and reflux) $\phi 51 \times 1.2 \times 304$	Unit 8B	-	-	-	-	8	Unit	16-03-26	2. Spareparts	V	
46	IMO03129	extended sanitary clamp fitting(for CIP drain and reflux) $\phi 51 \times 1.2$ Sanitary Clamp	Unit 8B	-	-	-	-	8	Set	16-03-26	3. Consumable		
47	IMO20119	extended reducing tee(for CIP drain and reflux) $\phi 51 \times \phi 38 \times 1.6$	Unit 8B	-	-	-	-	2	Unit	16-03-26	4. Jasa		
48	IMO20119	extended reducing tee(for CIP drain and reflux) $\phi 51 \times \phi 25 \times 1.6$	Unit 8B	-	-	-	-	2	Unit	16-03-26	5. Project		
49	IMO16129	pipeline(for CIP drain and reflux) $\phi 51 \times 1.2 \times 304 @ 6$ Meter	Unit 8B	-	-	-	-	2	Batang	16-03-26			

PERMINTAAN PARTS (LOCAL) MIXING TANK 5000 LITER NO. 1 DI UNIT 8B

Situasi :

Mixing tank line 1 dan line 2 dikontrol oleh 1 control unit sehingga tidak bisa dioperasikan satu persatu.

Target :

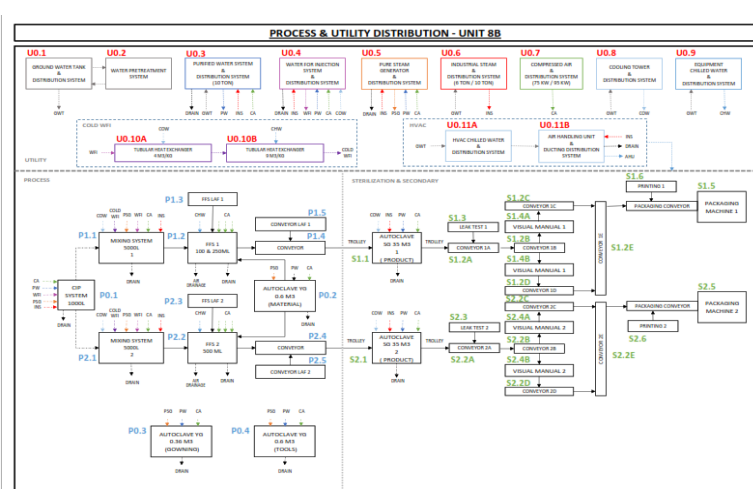
2 line dapat dioperasikan secara independent.

Proposal :

Menambahkan panel control untuk line 1.

Tanda tangan Pemohon (nama jelas)  Ajeng Ayu D	Tanda Tangan Mengetahui (nama jelas)  Hendrawan	Tanda Tangan Menyetujui (nama jelas)  Hermawan Widyaprasetya
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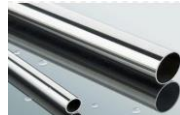
Lampiran





蒸馏水机仪器仪表清单

生产编号：W1710

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
1		手动球阀（纯蒸汽用） manual ball valve(for pure steam)	Φ 25	快装 Sanitary Clamp	316L	1只 1 unit		
2		手动球阀（压缩空气用、切换氮气） manual ball valve(for compressed air /Nitrogen switching)	Φ 25	快装 Sanitary Clamp	316L	2只 2 units		
3		焊接同径三通 welded equal-diameter tee	Φ 25*1.2		316L	2只 2 units	新莱/CSE Kinglai/CES	
4		加长弯头 long-radius elbow	Φ 25*1.2		316L	5只 5 units	新莱/CSE Kinglai/CES	
5		加长卡箍式接头 extended sanitary clamp fitting	Φ 25*1.2	快装 Sanitary Clamp	316L	10 sets	新莱/CSE Kinglai/CES	
6		管支架 pipe support	Φ 25		304	4只 4 units	新莱/CSE Kinglai/CES	
7		管道 pipeline	Φ 25		316L	6m	新莱/CSE Kinglai/CES	

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第1页 共7页 1/28/2026

蒸馏水机仪器仪表清单

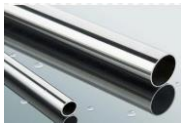
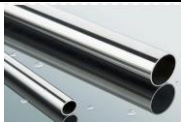
生产编号：W1710

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
8		金属软管（罐夹层加热、冷却用） metal hose(for heating and cooling of the tank jacket)	Φ38	快装 Sanitary Clamp	304	2根 2 pieces		Flange Ferrule 50.4 mm
9		气动球阀（工业蒸汽、冷却水用） pneumatic ball valve(for industrial steam and cooling water)	Φ38	快装 Sanitary Clamp	304	3只 3 units		
10		加长弯头（工业蒸汽、冷却水用） long-radius elbow(for industrial steam and cooling water)	Φ38		304	10只 10 units		
11		焊接同径三通（工业蒸汽、冷却水用） welded equal-diameter tee(for industrial steam and cooling water)	Φ38		304	6只 6 units		
12		加长卡箍式接头（工业蒸汽、冷却水用） extended sanitary clamp fitting(for industrial steam and cooling water)	Φ38	快装 Sanitary Clamp	304	16只 16 units		
13		工业蒸汽压力表0-0.6mpa（丝牙\带盘管） industrial steam pressure gauge 0-0.6mpa (threaded connection/with coil tube)			304	1 sets		
14		管支架 pipe support	Φ38		304	5只 5 units		



蒸馏水机仪器仪表清单

生产编号：W1710

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
15		管道（工业蒸汽、冷却水用） pipeline(for industrial steam and cooling water)	Φ 38		304	6m		
16		管道（呼吸器排放用） pipeline(for the discharge of tank breather)	Φ 25		304	6m		
17		加长卡箍式接头（呼吸器排放用） extended sanitary clamp fitting(for the discharge of tank breather)	Φ 25*1.2	快装 Sanitary Clamp	304	4 sets	新莱/CSE Kinglai/CES	
18		气动球阀（呼吸器灭菌用） pneumatic ball valve(for the sterilization of tank breather)	Φ 38	快装 Sanitary Clamp	304	3只 3 units		
19		焊接同径三通（呼吸器排放用） welded equal-diameter tee(for the discharge of tank breather)	Φ 25*1.2		304	2只 2 units	新莱/CSE Kinglai/CES	
20		加长弯头（呼吸器排放用） long-radius elbow(for the discharge of tank breather)	Φ 25*1.2		304	5只 5 units	新莱/CSE Kinglai/CES	
21		45度弯头（呼吸器排放用） 45-degree elbow(for the discharge of tank breather)	Φ 25*1.2		304	1只 1 unit	新莱/CSE Kinglai/CES	

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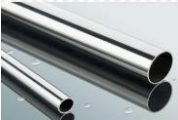
第3页 共7页 1/28/2026

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
22		偏心大小头（罐上喷淋口变径用） eccentric reducer(for the reducing connection of tank spray port)	Φ 38*Φ 25*1.2	快装 Sanitary Clamp	316L	2只 2 units	新莱/CSE Kinglai/CES	
23		偏心大小头（输送泵口用） eccentric reducer(for the transfer pump port)	Φ 64*Φ 38*1.2	快装 Sanitary Clamp	316L	2只 2 units	新莱/CSE Kinglai/CES	
24		偏心大小头（罐下出口用） eccentric reducer(for the tank bottom outlet)	Φ 51*Φ 38*1.2	快装 Sanitary Clamp	316L	2只 2 units	新莱/CSE Kinglai/CES	
25		45度弯头（罐下出口用） 45-degree elbow(for the tank bottom outlet)	Φ 51*1.2		316L	2只 2 units	新莱/CSE Kinglai/CES	
26		焊接同径三通（药液管道用） welded equal-diameter tee(for the drug solution pipeline)	Φ 38*1.2		316L	6只 6 units	新莱/CSE Kinglai/CES	
27		加长弯头（药液管道用） long-radius elbow(for the drug solution pipeline)	Φ 38*1.2		316L	30只 30 units	新莱/CSE Kinglai/CES	
28		加长卡箍式接头（药液管道用） extended sanitary clamp fitting(for the drug solution pipeline)	Φ 38*1.2	快装 Sanitary Clamp	316L	20 sets	新莱/CSE Kinglai/CES	



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编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
29		管道（药液管道用） pipeline(for the drug solution pipeline)	Φ 38		316L	24m	新莱/CSE Kinglai/CES	
30		管支架（带圆底座20片） pipe support (with round base, 20 pieces)	Φ 38		304	20只 20 units	新莱/CSE Kinglai/CES	
31		气动球阀（罐底排放用） pneumatic ball valve(for tank bottom discharge)	Φ 38	快装 Sanitary Clamp	304	2只 2 units		
32		气动球阀（过滤器排放用） pneumatic ball valve(for filter discharge)	Φ 25	快装 Sanitary Clamp	304	2只 2 units		
33		加长卡箍式接头（Φ15小卡盘） extended sanitary clamp fitting(Φ15 small tri-clamp)	Φ 12.7*1.65	快装 Sanitary Clamp	304	6 sets	新莱/CSE Kinglai/CES	
34		加长弯头（过滤器排放用） long-radius elbow(for filter discharge)	Φ 12.7*1.65		304	6只 6 units	新莱/CSE Kinglai/CES	
35		偏心大小头（过滤器排放用） eccentric reducer(for filter discharge)	Φ 25* Φ 12.7*1.2		304	4只 4 units	新莱/CSE Kinglai/CES	

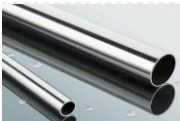
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第5页 共7页 1/28/2026

蒸馏水机仪器仪表清单

生产编号：W1710

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
36		焊接同径三通（过滤器排放用） welded equal-diameter tee(for filter discharge)	Φ 25*1.2		304	6只 6 units	新莱/CSE Kinglai/CES	
37		加长弯头（过滤器排放用） long-radius elbow(for filter discharge)	Φ 25*1.2		304	5只 5 units	新莱/CSE Kinglai/CES	
38		管道（冷凝水排水用） pipeline(for condensate drainage)	Φ 38*1.2		304	6m	新莱/CSE Kinglai/CES	
39		加长卡箍式接头（冷凝水排水用） extended sanitary clamp fitting (for condensate drainage)	Φ 38*1.2	快装 Sanitary Clamp	304	3 sets	新莱/CSE Kinglai/CES	
40		加长异径三通（冷凝水排水用） extended reducing tee(for condensate drainage)	Φ 38* Φ 25*1.6		304	2只 2 units	新莱/CSE Kinglai/CES	
41		焊接同径三通（冷凝水排水用） welded equal-diameter(for condensate drainage)	Φ 38*1.2		304	2只 2 units	新莱/CSE Kinglai/CES	
42		加长弯头（冷凝水排水用） long-radius elbow(for condensate drainage)	Φ 38*1.2		304	4只 4 units	新莱/CSE Kinglai/CES	

客户名称 Customer Name	印尼 Indonesia		八区5000L配液单独罐 Mixing 5000 Liter no. 1 044/U.8/PROD/MIX.1/12/18 (P1.1)	采购来源 Procurement Source		Local (P1.1)		
编号 Item No.	名称 Name		型号 Model	接口 Connection	材质 Material	数量 Quantity	制造商 Manufacturer	备注 Remarks
43	 手动球阀(CIP排水回流切换用) manual ball valve(for CIP drain and reflux switching)		Φ 51	快装 Sanitary Clamp	304	2只 2 units		
44	 焊接同径三通(CIP排水回流用) welded equal-diameter tee(for CIP drain and reflux)		Φ 51*1.2		304	2只 2 units	新莱/CSE Kinglai/CES	
45	 加长弯头 (CIP排水回流用) long-radius elbow(for CIP drain and reflux)		Φ 51*1.2		304	8只 8 units	新莱/CSE Kinglai/CES	
46	 加长卡箍式接头 (CIP排水回流用) extended sanitary clamp fitting(for CIP drain and reflux)		Φ 51*1.2	快装 Sanitary Clamp	304	8 sets	新莱/CSE Kinglai/CES	
47	 加长异径三通(CIP排水回流用) extended reducing tee(for CIP drain and reflux)		Φ 51*Φ 38*1.6		304	2只 2 units	新莱/CSE Kinglai/CES	
48	 加长异径三通(CIP排水回流用) extended reducing tee(for CIP drain and reflux)		Φ 51*Φ 25*1.6		304	2只 2 units	新莱/CSE Kinglai/CES	
49	 管道(CIP排水回流用) pipeline(for CIP drain and reflux)		Φ 51*1.2		304	12m	新莱/CSE Kinglai/CES	