



CREAS

**AR series
Glass Lined Reactor**

– quality assurance with real services

AR 系列搪玻璃反應釜

– 真正有服務的品質保證

A C E M E N D E R



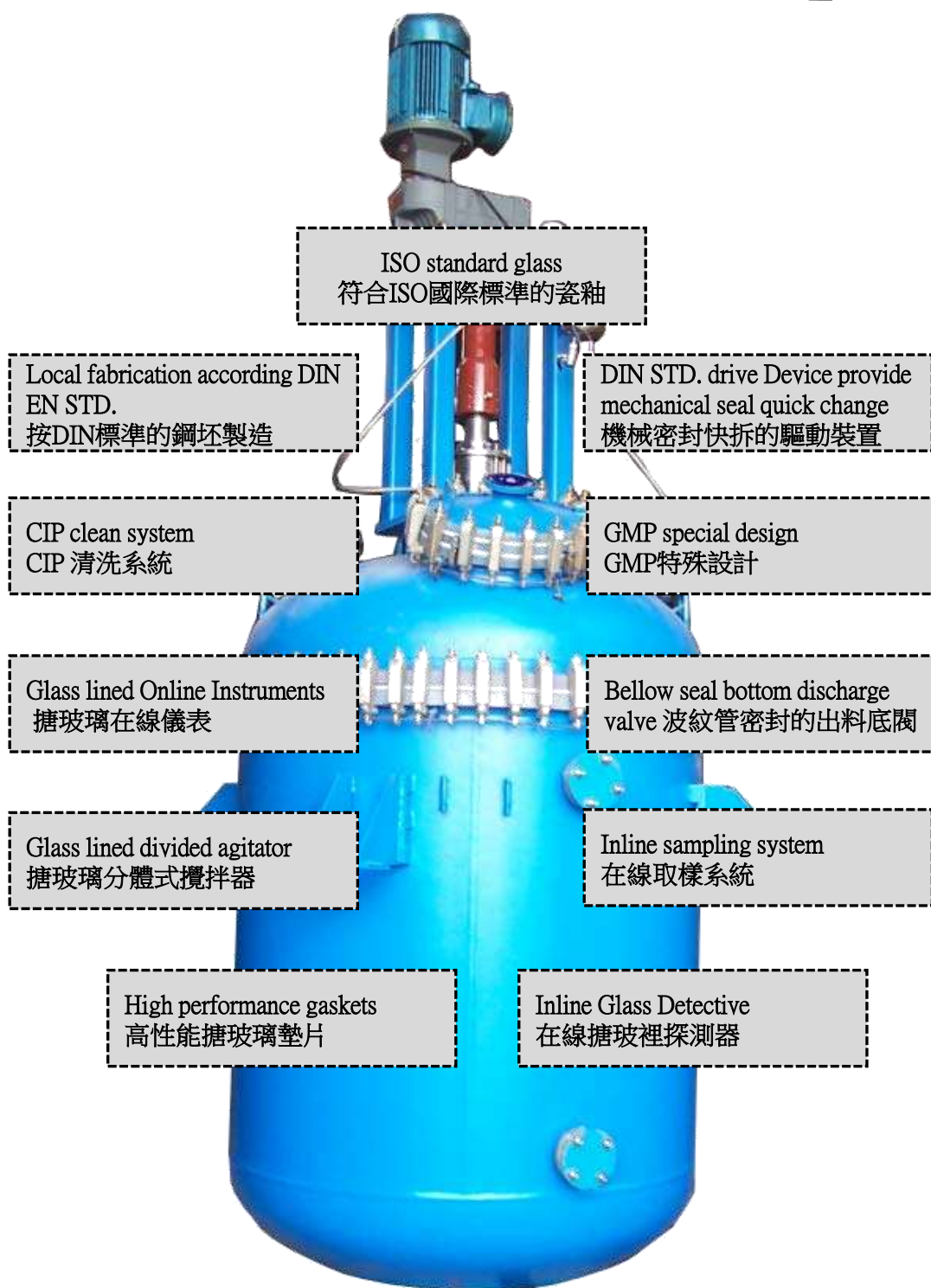
We provide
quality assurance
with real services
to our customers
in Asia Pacific.
我們為亞太客戶
提供真正有服務
的品質保證。

ACE mender Pty Ltd Is a professional service company register in Australia, service for glass lined equipment and glass lined manufactories. We supplied German “Wendel” glass exported to Chinese glass lined manufactories. We also cooperation with German glass lined manufactory & European enamel supplier, gasket material supplier... ACE mender Pty Ltd 是一家在澳大利亞註冊的專業服務公司，服務於搪玻璃設備和搪玻璃製造廠。我們向中國搪玻璃製造廠供應德國 “Wendel” 搪玻璃。我們也與德國搪玻璃製造廠、歐洲搪瓷供應商、墊片材料供應商等合作。

- We imported some materials or glass lined parts from European company which worldwide advanced technology holder to produce the glass lined equipment in China to reach the German DIN standard for glass lined equipment. 我們從擁有全球領先技術的歐洲公司進口部分材料或搪玻璃部件，在中國生產搪玻璃設備，使其達到德國 DIN 搪玻璃設備標準。
- We had sold many reactors to chemical, pharmaceutical & food industry in Southeast Asia, Taiwan & Australia. Our most exported glass lined reactors meet the requirement of German DIN standard. 我們已向東南亞、臺灣和澳大利亞的化工、製藥和食品行業銷售了大量反應釜。我們出口的大部分搪玻璃反應釜均符合德國 DIN 標準。
- We have a sister company register in China named “Suzhou CREAS Fluid Equipment Co Ltd”, it has do glass lined site service in Southeast Asia, Taiwan & Australia included glass lined layer repair, replace parts in past 6 years. 我們在中國擁有一家姊妹公司，名為“蘇州康銳思流體設備有限公司”，在過去的六年裡，該公司一直在東南亞、臺灣和澳大利亞提供搪玻璃現場服務，包括搪玻璃層維修和零件更換。
- Our glass enamel imported from Germany and lined in China, then to ensure the chemical resistance performance as the international level, also according DIN standard. 我們的搪玻璃釉料從德國進口，並在中國進行內襯處理，以確保其耐化學性能達到國際水準，並符合DIN標準。
- Our team will inspection for the produce process of glass lined equipment, included material inspection, fabrication inspection and glass lining inspection, professional inspection to ensure the good quality more than manufactory standard. 我們的團隊將對搪玻璃設備的生產過程進行全程檢驗，包括材料檢驗、製造核對總和搪瓷檢驗，專業的檢驗確保產品品質高於製造標準。
- The agitator system also designed by DIN standard, same agitator shaft end with DIN standard easy to exchanger with all glass lined agitator & mechanical seal made by European company. 攪拌系統也按照DIN標準設計，攪拌軸端符合DIN標準，易於與歐洲公司生產的搪瓷攪拌器和機械密封互換。

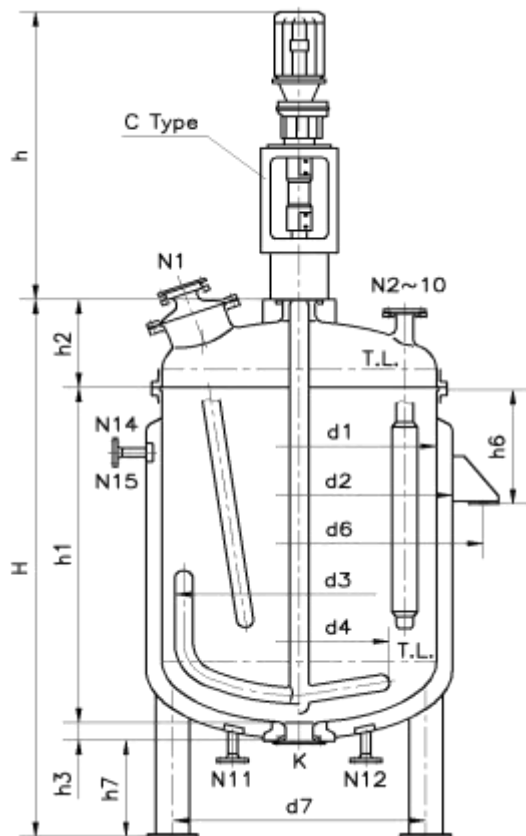


AR Series Glass lined Reactor System AR系列搪玻璃反應釜系統



Flanged Reactor Body
大法蘭開式反應釜體

AE 63-6300
AE 63-6300



■ Vessel Standard 容器標準

Design basis for flanged reactor structure is DIN28136. The equipment will be fabricated, inspected and accepted in compliance with GB25025 . 法蘭開式反應釜結構設計依據為DIN28136。該設備將按照GB25025進行製造、核對總和驗收。

■ Design Pressure 設計壓力

Inner Vessel 釜內： FV/6bar
Jacket夾套： FV/6bar

■ Design Temperature 設計溫度

Inner Vessel 釜內： -19/230 °C
Jacket夾套： -19/200 °C

■ Flange Standard 法蘭標準

Loose split flange for glass-lined nozzles. 搪玻璃管口法蘭用分體活套法蘭。
Standard 標準： DIN PN 10 bar
Optional 選項： ANSI 150 lb

公稱容積 Nominal cap.	全容積Total capacity	夾套容積Jacket capacity	換熱面積Heat. area	主要尺寸 Main dimensions (mm)								軸公稱直徑 Nom. dia. of shaft	減速機 Drive(1)		設備總重Total weight(2)
				d1	d2	d3	d4	h1	h2	h3	~H		電機功率 Motor Kw	機架號 Supp. No. h	
Ltrs	Ltrs	Ltrs	m ²	d1	d2	d3	d4	h1	h2	h3	~H	d	Kw	h	Kg
63	95	35	0.60	500	600	420	300	390	250	80	730	40	0.75	C40	430
100	135	55	0.80	500	600	420	300	590	250	80	930		1.1		500
160	220	80	1.30	600	700	520	360	690	270	80	1050		1.1		580
250	340	115	1.70	700	800	620	420	790	310	80	1190	50	1.5	C50	790
400	550	140	2.50	800	900	720	480	990	330	90	1420		2.2		960
630	880	170	3.20	1000	1100	880	600	990	390	90	1480	60	3.0	C60	1400
1000	1550	230	4.50	1200	1300	1080	720	1190	440	90	1730		4.0		2040
1600	2350	300	6.20	1400	1500	1180	840	1385	500	90	1985	80	5.5	K80	2900
2500	3550	350	8.40	1600	1700	1420	960	1600	545	90	2245		7.5		3650
4000	5400	700	11.4	1750	1900	1580	1100	2000	610	90	2710	100	11	K10 0A	5180
6300	8450	950	16.7	2000	2150	1800	1100	2500	660	110	3280		15	K10 0B	8400

1)h詳見驅動裝置樣本。Detailed information according to catalogue Drive Device
2)總重不包括驅動裝置。Weight without drive device.

Flanged Reactor Body
大法蘭開式反應釜體

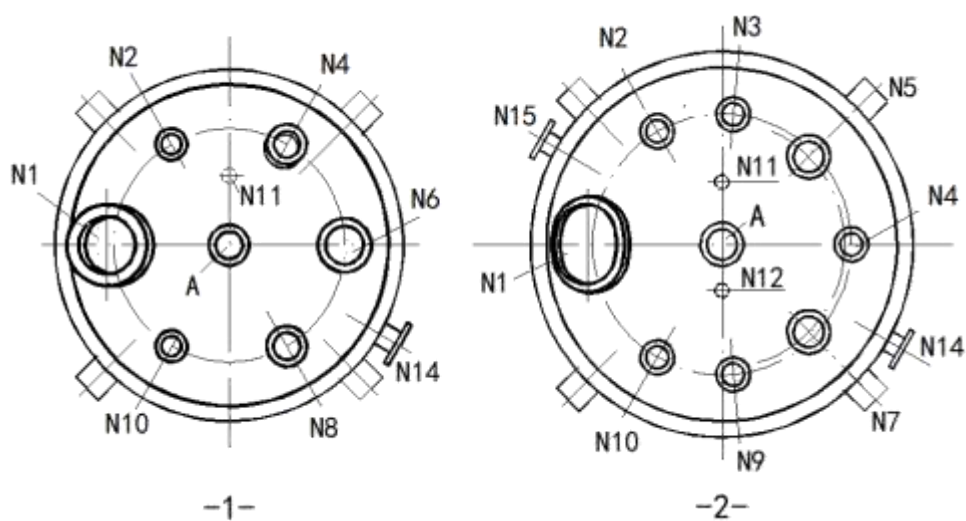
AE 63-6300
AE 63-6300

Drive Device 驅動裝置

Reactors 1000 Ltrs and below will be supplied with **C** drive.The **C type** drive is of compact design and this feature allows for more space to connect pipe-work to the various nozzles. Reactors 1600 Liters and above will use the **KC type** drive. 1000升及以下的反應釜將配備C型驅動裝置。C型驅動裝置設計緊湊，可提供更多空間來連接管道到各個管口。1600升及以上的反應器將使用KC型驅動裝置。

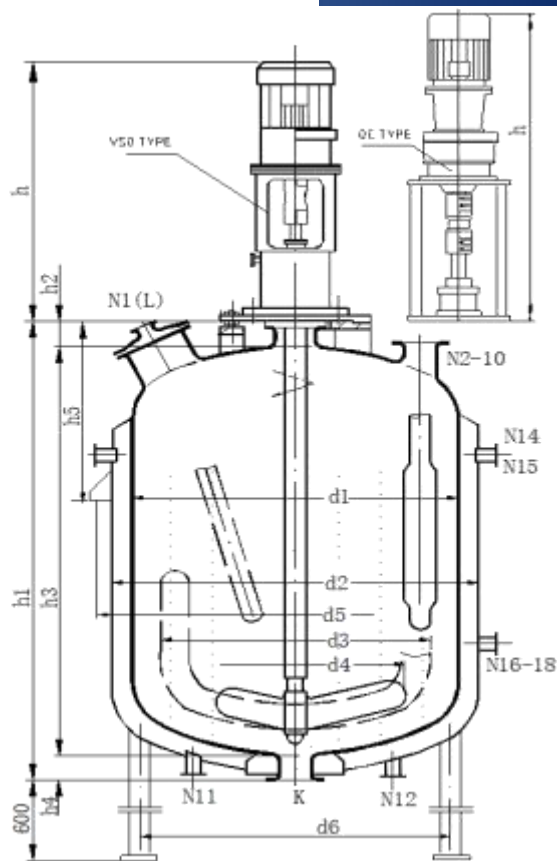
Mechanical Seal 機械密封

A double wet or dry mechanical seal is supplied as standard are available. 標準配置為提供雙濕式或幹式雙端面機械密封。



罐蓋型式 Head layout	公稱容積 Nom.cap. Ltrs	管口公稱直徑 Nozzles DN									支座 Support			
		夾套接管 On the jacket		罐體接管 On the vessel							耳式 Lugs		支承式 Legs	
		N11 N14	N12 N15	K	N1	N2 N9 N10	N3	N4	N6	N5 N7	N8	~d6	~h6	~h7
1	AE 63	40	-	80	100	40	80	80	-	50	728	300	600	480
	AE 100	40	-	80	100	40	80	80	-	50	728	350	600	480
	AE 160	40	-	80	100	50	80	80	-	80	830	350	600	560
	AE 250	40	-	80	150	50	80	80	-	80	948	380	600	640
	AE 400	40	-	100	200	80	80	100	-	80	1048	380	600	720
	AE 630	50	-	100	200	100	100	150	-	100	1270	450	600	920
2	AE 1000	50	-	100	350x 450	100	-	100	200	-	1504	520	600	1080
	AE 1600	50	50	100		100	-	100	200	-	1750	600	600	1250
	AE 2500	50	50	100		100	-	100	200	-	1950	700	600	1400
	AE 4000	50	50	100		150	-	150	250	-	2196	700	600	1600
	AE 6300	80	80	150	500	150	-	150	250	-	2406	750	600	1800

No Center hole Reactor Body BE 630-20000
無中孔閉式反應釜體 BE 630-20000



■ Vessel Standard 容器標準

Design basis for flanged reactor structure is DIN28136. The equipment will be fabricated, inspected and accepted in compliance with GB25025 . 法蘭開式反應釜結構設計依據為DIN28136。該設備將按照GB25025進行製造、核對總和驗收。

■ Design Pressure 設計壓力

Inner Vessel 釜內：FV/6bar
Jacket夾套：FV/6bar

■ Design Temperature 設計溫度

Inner Vessel 釜內：-19/230℃
Jacket夾套：-19/200℃

■ Flange Standard 法蘭標準

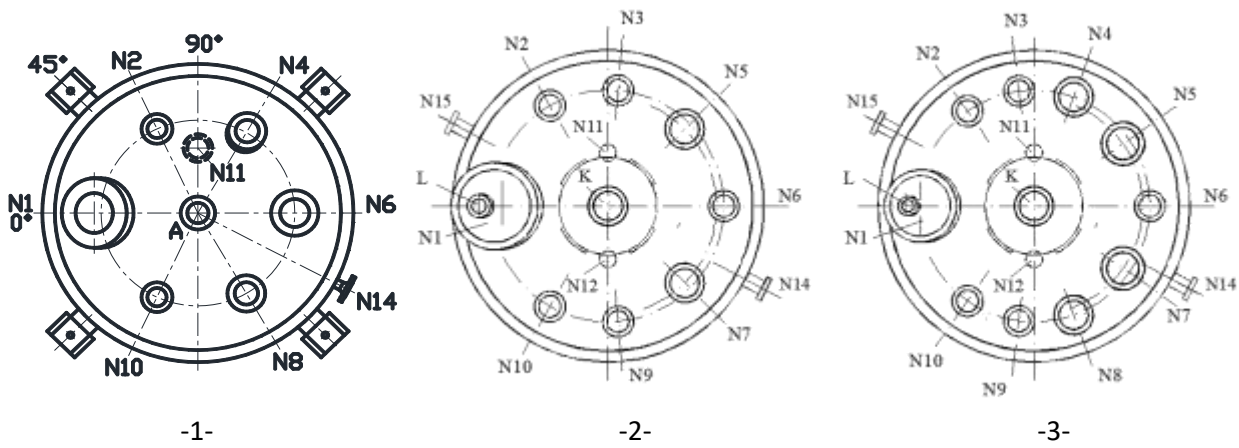
Loose split flange for glass-lined nozzles. 搪玻璃管口法蘭用分體活套法蘭。
Standard 標準：DIN PN 10 bar
Optional 選項：ANSI 150 lb

公稱容積 Nominal Capa.				主 要 尺 寸 Main Dimensions (mm)								軸公稱直徑 Nom.Dia.Shaft	攪拌允許轉速 Allowed Speed	減速機 Drive (1		機架號 Supp. No.	重 Total Weight
Ltrs	Ltrs	Ltrs	m2	d1	d2	d3	d4	h1	h2	h3	h4			電機功率 Motor Pow.	h		
630	880	240	3.9	1000	1100	880	600	1490	115	1280	90	60	125	3	E250		1700
1000	1520	290	5.6	1200	1300	1000	720	1740	115	1530	90		125	4			2000
1500	2080	435	6.9	1300	1450	/	720	1990	130	1770	90	80	125	4			2700
2000	2390	310	7.5	1400	1500	1250	840	1990	130	1770	90		125	5.5			3000
3000	3580	370	9.8	1600	1700	1440	960	2245	130	2025	90		125	7.5			3870
5000	5560	500	13.4	1800	1900	1620	1100	2700	150	2460	90		125	11	E400		5900
6300	8350	1100	18.2	2000	2150	1800	1100	3270	150	3010	105	100	125	15			7900
8000	9850	940	18.6	2200	2350	/	1100	3220	150	2960	105		125	15	E500		8650
10000	11850	1200	20.9	2350	2500	/	1300	3400	160	3130	110	125	125	30	E600 /E700		11700
12500	14450	1420	25.5	2350	2500	/	1300	4000	160	3730	110		125	30			12600
16000	18350	1600	29.7	2550	2700	/	1350	4300	160	4030	110		90	30			15200
16000	18850	1600	28.5	2750	2900	/	1500	3925	160	3655	110		90	37			16900
20000	22900	1900	34.4	2750	2900	/	1500	4605	160	4335	110	140	90	45	E700		19200

1) h詳見傳動樣本. Detailed information according to driving cata. .

Drive/Agitating System 驅動/攪拌系統

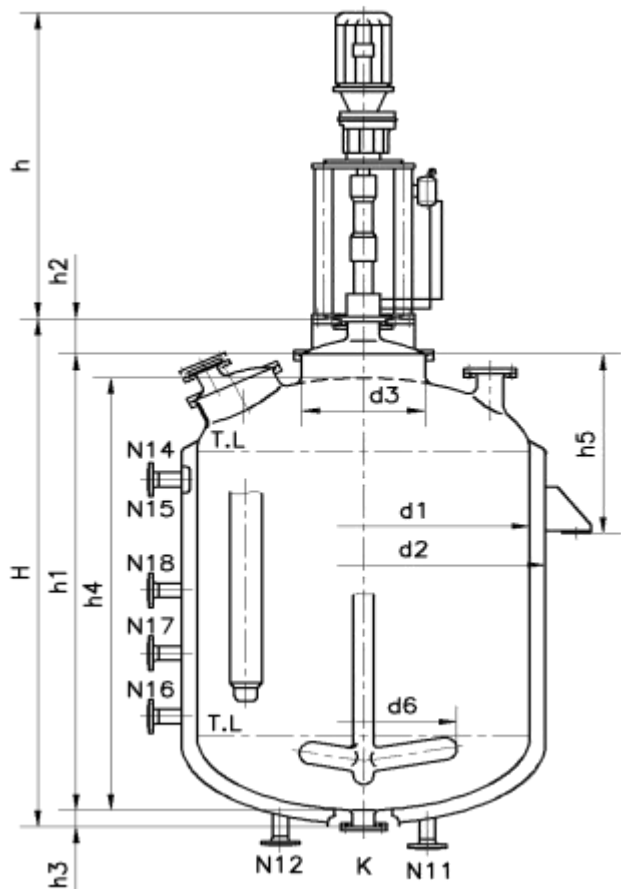
Reactors are offered with KC Drive Device that is used on DIN reactors. The motor is connected to the gear-box either directly or by V belt and runs particularly smoothly. Shaft sealing for the agitator is provided by a double or single mechanical seal and the KC Drive allows for replacing or maintenance of the mechanical seal without disassembly of the agitator or gear-box. The agitator should used divided glass lined agitator. More turbines choice to meet varied process mixing requirements. 反應釜配備適用於DIN反應器的KC驅動裝置。電機直接或通過V型皮帶與變速箱連接，運轉極其平穩。攪拌器的軸封採用雙端面或單端面機械密封，KC驅動裝置允許在不拆卸攪拌器或變速箱的情況下更換或維護機械密封。攪拌器應採用分體式搪玻璃攪拌器。更多渦輪選擇，滿足各種工藝混合需求。



Head Layout 管口分佈	Nominal Capacity 公稱容積	Nozzles 管口 DN										Support 支座		
		On the Jacket 夾套			On the Vessel 罐體							Lugs 耳式		Legs 腿式
		N11 N12 N14 N15	N16 N17 N18	N19	K	N1	N2 N3 N6 N10	N4	N5 N7	N8	N9	~h5	~d5	~d6
1	630	50	—	—	100	400×300	100	100	—	100	—	680	1270	920
2	1000	50	—	—	100	400	100	—	200	—	100	720	1504	1080
	1500	50	—	—	100	400			200		100			1150
	2000	50	50	—	100	450	100	—	200	—	100	850	1750	1250
	3000	50	50	—	100	500	100	—	200	—	100	900	1950	1400
	5000	50	50	—	100	500	150	—	250	—	150	1060	2196	1600
	6300	80	50	—	150	500	150	—	250	—	150	1220	2406	—
3	8000	80	50	—	150	600	150	150	300	150	150	1300	2608	—
	10000	80	50	—	150	600	200	300	300	200	300	1450	2880	—
	12500	80	50	—	150	600	200	300	300	200	300	1450	2880	—
	16000	80	50	50	150	600	200	300	300	200	300	1550	3082	—
	16000	80	50		150	600	200	300	300	200	300	1700	3405	—
	20000	80	50	50	150	600	200	300	300	200	300	1700	3405	—

One Piece Reactor Body
閉式反應釜體

CE 2500-25000
CE 2500-20000



■ Vessel Standard 容器標準

Design basis for flanged reactor structure is DIN28136. The equipment will be fabricated, inspected and accepted in compliance with GB25025 . 法蘭開式反應釜結構設計依據為DIN28136。該設備將按照GB25025進行製造、核對總和驗收。

■ Design Pressure 設計壓力

Inner Vessel 釜內：FV/6bar
Jacket夾套：FV/6bar

■ Design Temperature 設計溫度

Inner Vessel 釜內：-19/230 °C
Jacket夾套：-19/200 °C

■ Flange Standard 法蘭標準

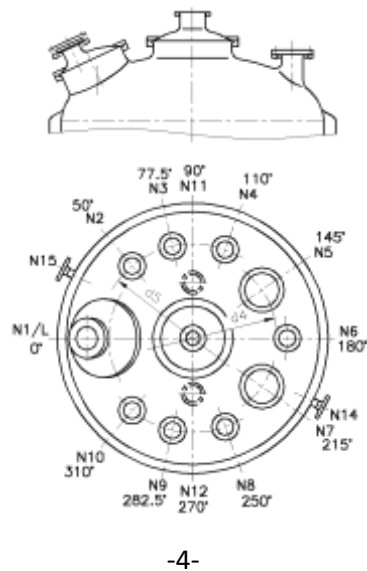
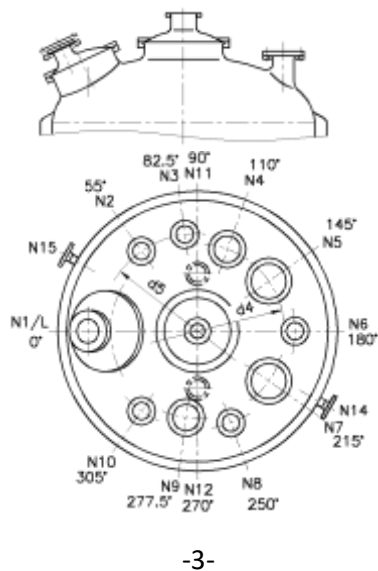
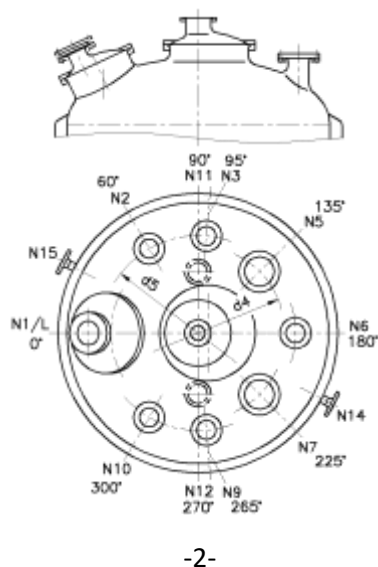
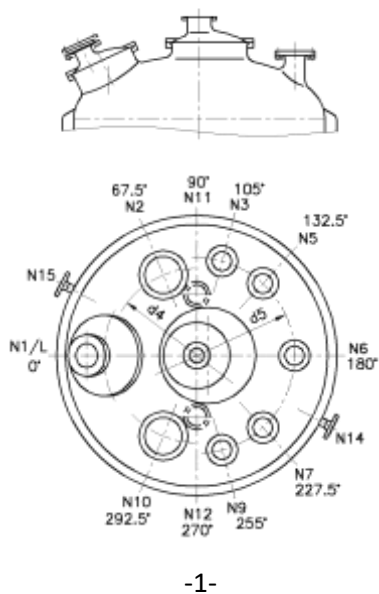
Loose split flange for glass-lined nozzles. 搪玻璃管口法蘭用分體活套法蘭。
Standard 標準：DIN PN 10 bar
Optional 選項：ANSI 150 lb

公稱容積 Nominal Capa.	全容積 Total capacity	夾套容積 Jacket capacity	換熱面積 Heat Transfer Area	主要尺寸 Main dimensions (mm)												設備總重 Total weight(1)
				d1	d2	d3	~d4	~d5	d6	h1	h2	h3	~h4	~h5	~H	~Kg
Ltrs	Ltrs	Ltrs	m²													
CE2500	3160	400	8.4	1600	1700	700	1250	1350	960	1950	240	90	1845	900	2290	3500
CE4000	4770	770	11.4	1750	1900	750	1350	1450	1100	2380	240	90	2275	1020	2720	5400
CE6300	7400	1000	16.1	1950	2100	750	1460	1560	1100	2920	240	110	2805	1080	3280	7500
CE8000	9440	1080	18.2	2150	2300	750	1600	1650	1100	3080	240	110	2960	1150	3440	8300
CE10000	11890	1200	21.1	2350	2500	950	1800	1850	1300	3250	280	110	3135	1300	3650	11000
CE12500	14490	1550	25.6	2350	2500	950	1800	1850	1300	3850	280	110	3735	1300	4250	12300
CE16000	18290	1800	26.2	2550	2700	950	1900	2050	1350	4140	280	110	4020	1350	4540	15000
CE20000	22980	2100	34.5	2750	2900	1150	2000	2200	1500	4435	300	110	4330	1450	4860	19000
CE25000	27760	2350	39.5	2900	3050	1150	2100	2200	1550	4800	300	110	4690	1500	5220	21000

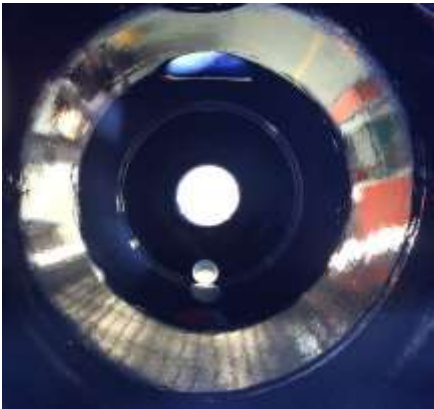
1)總重不包括傳動設置。Total weight without drive.device.

Drive/Agitating System 驅動/攪拌系統

Reactors are offered with KC type drive system used on DIN reactors. The motor is connected to the gear-box either directly or by V belt and runs particularly smoothly. Shaft sealing for the agitator is provided by a double mechanical seal and the KC drive allows for replacing or maintenance of the mechanical seal without disassembly of the agitator or gear-box. Choice between traditional single or multistage. RCI impellor agitator (DIN 28157) or separation agitator system with various blade configurations to meet varied process mixing requirements. 反應釜配備用於DIN反應器的KC型驅動系統。電機直接或通過V型皮帶與變速箱連接，運轉極其平穩。攪拌器的軸封採用雙端面機械密封，KC型驅動裝置允許在不拆卸攪拌器或變速箱的情況下更換或維護機械密封。您可以選擇傳統的單層或多層RCI葉輪攪拌器（符合DIN 28157標準），或配備各種葉片配置的分離式攪拌器系統，以滿足不同的工藝混合要求。



罐蓋型式 Head layout	公稱容積 Nominal capacity. Ltrs	管口公稱直徑 Nozzles DN												傳動裝置 Driving	
		夾套接管 On the jacket					罐體接管 On the wessel							電機功率 Motor P.	型號 Type
		N11 N12 N14 N15	N16	N17	N18	N19	N1	N2 N10	N3	N6 N8 N10	N4 N9	N5 N7	K	Kw	NO.
1	CE2500	50	50	-	-	-	350x	200	100	100	100	100	100	7.5	K80
	CE4000	50	50	50	-	-	450	100	150	100	150	100	100	11	K100
2	CE6300	80	50	50	50	-	500	150	150	150	150	250	150	11	
3	CE8000	80	50	50	50	-	500	150	150	150	150	250	150	15	
4	CE10000	80	50	50	50	-	500	200	200	200	250	250	150	22	K125
	CE12500	80	50	50	50	-	500	200	200	200	250	250	150	22	
	CE16000	80	50	50	50	50	500	200	200	200	250	250	150	22	
	CE20000	80	50	50	50	50	500	200	200	200	300	300	150	30	K140
	CE25000	80	50	50	50	50	500	200	200	200	300	300	150	37	



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