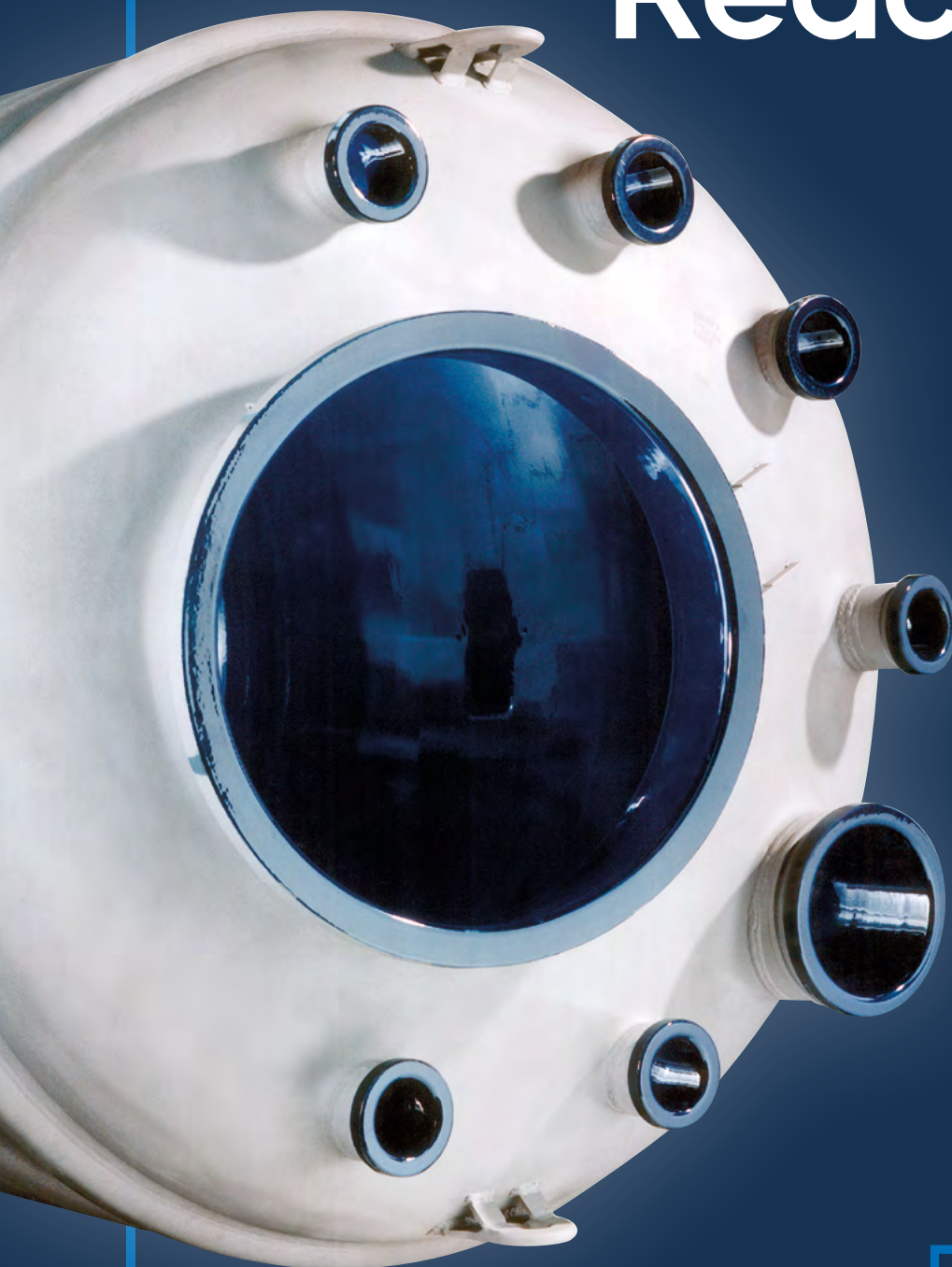


PFAUDLER

Glass-Lined Technology

DIN CE Reactors



GMM
Pfaudler

PFAUDLER

— Glass-Lined Technology

For over 130 years, Pfaudler is the leader in developing new technologies to meet the highly specific chemical processing needs of its clients. One reason why our glass-lined equipment is trusted by over 90% of the world's top chemical companies is the sheer reliability of our reaction technologies and comprehensiveness of our glass-lined accessories. These technologies are critical to the safe containment of corrosive contents, maintaining the vessel pressure and ensuring the final batch quality.

In short, our glass-lined technologies are absolutely integral to an effective process.

PRODUCTS & EQUIPMENT

Glass Lined Reactors

Glass Lined Mixing Systems

Baffling Technologies

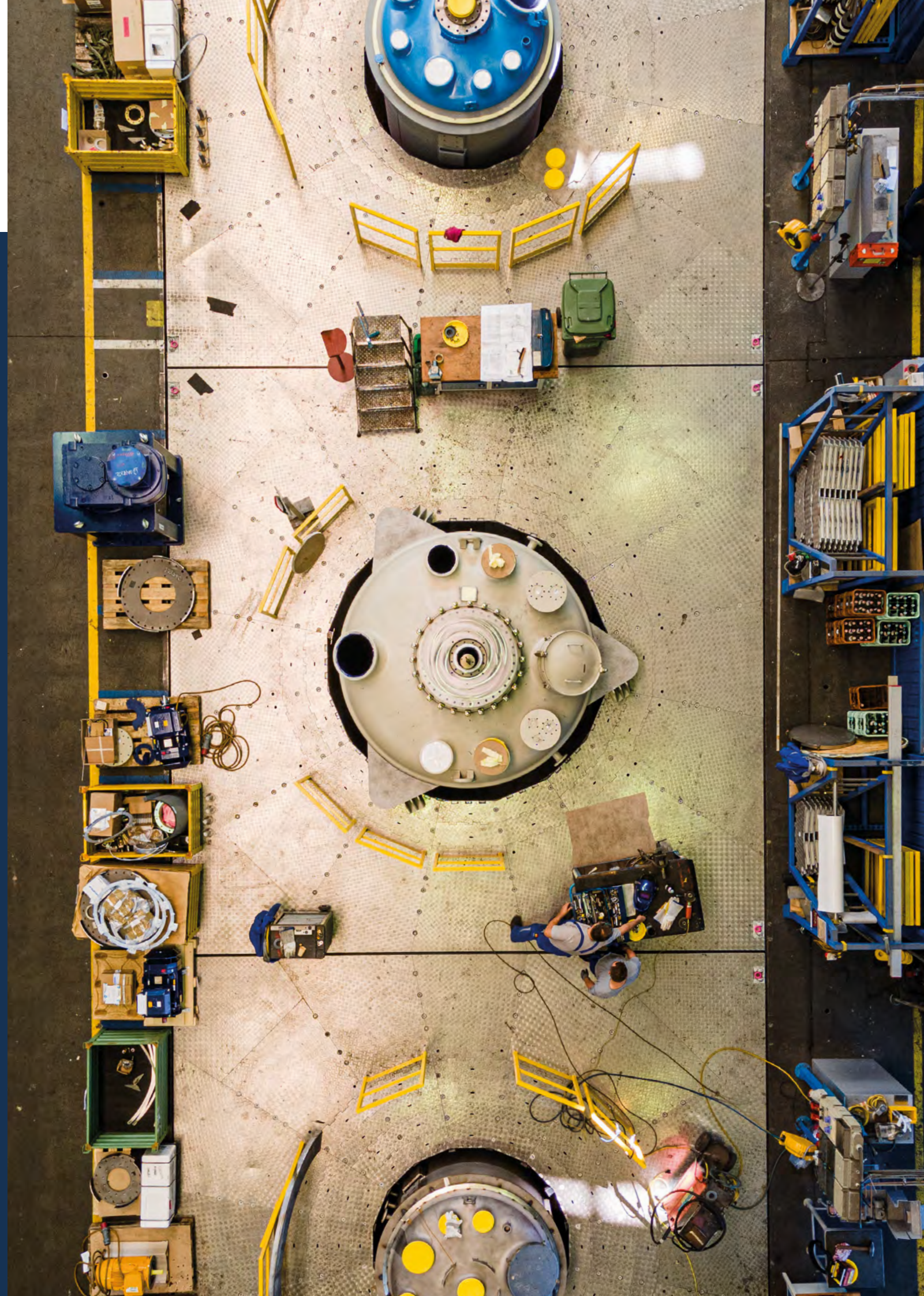
Storage Tanks & Receivers

Glass Lined Columns

Accessories

Glass Lined Instrumentation

Glass Lined Heat & Mass Transfer



DIN CE Reactors

Design Options

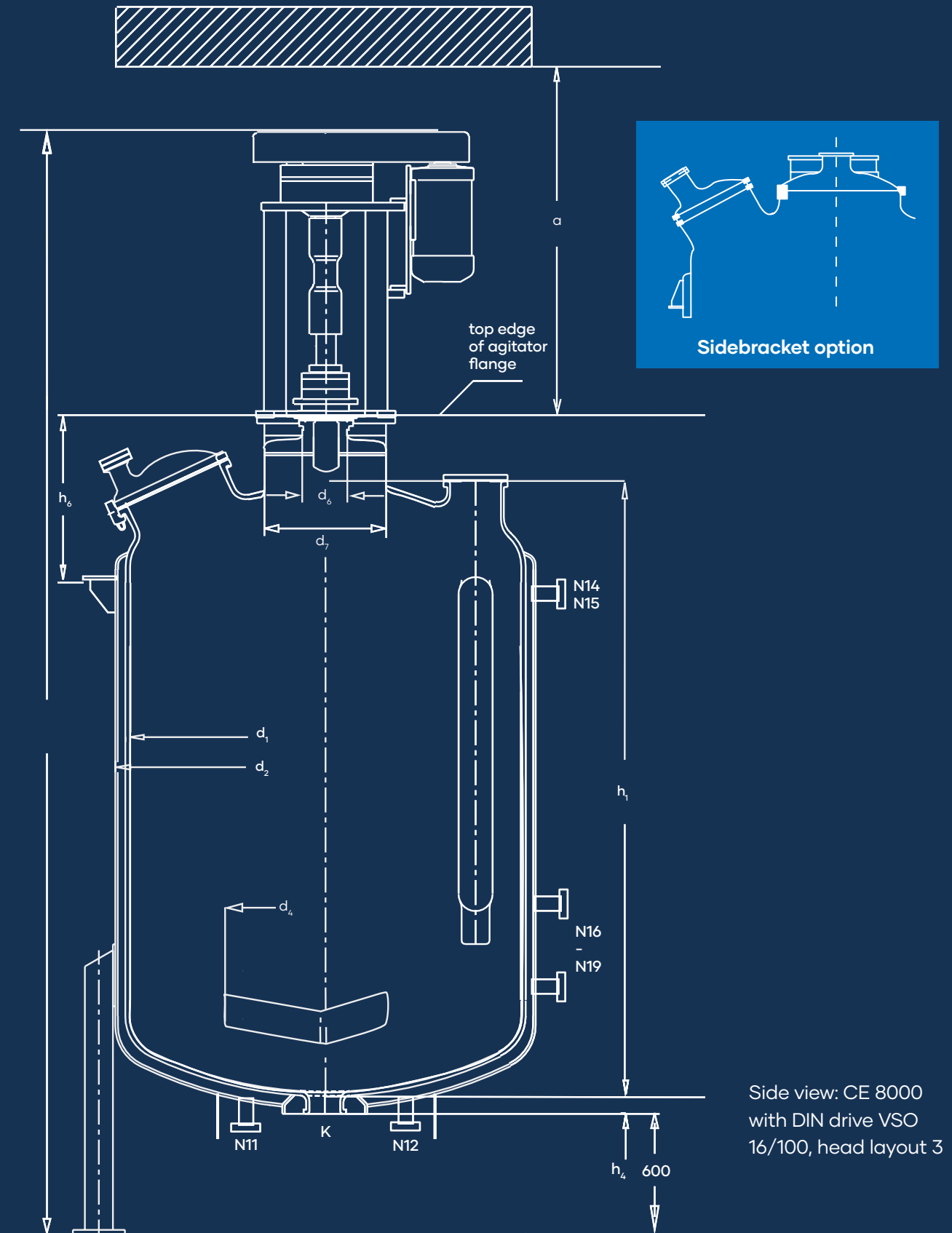
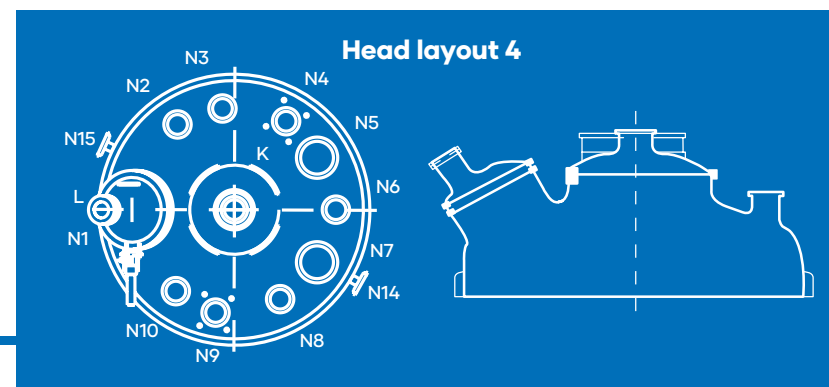
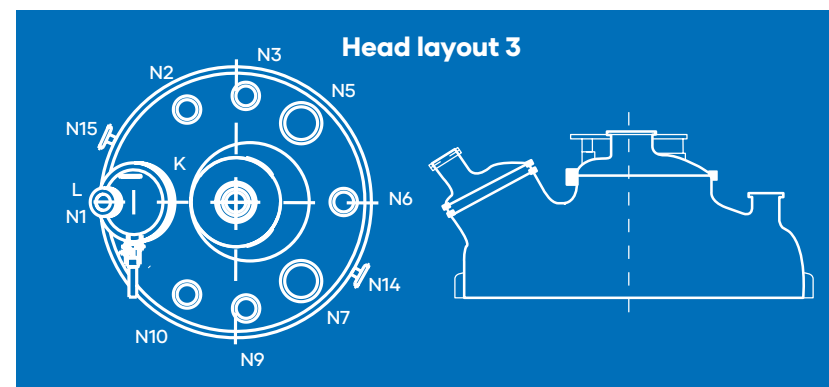
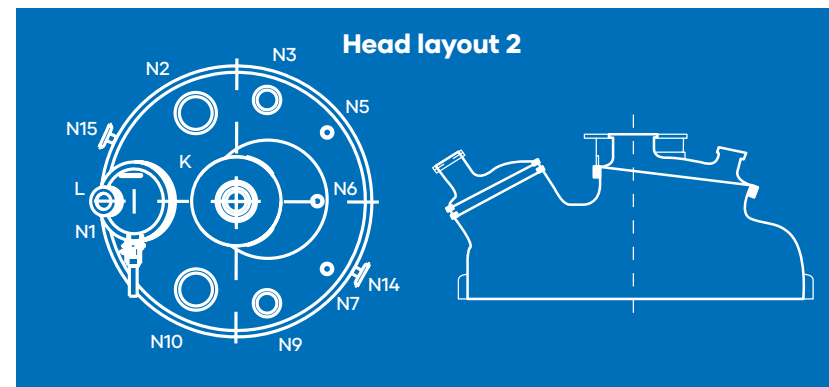
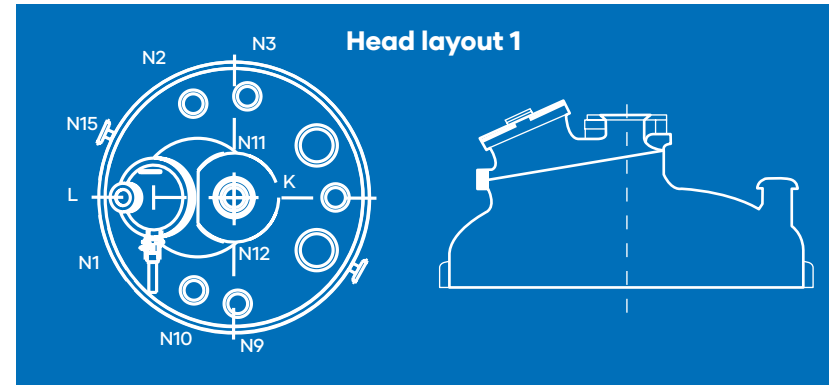
Half-pipe coil jacket construction.
Support options of legs, side brackets or support ring.

Pfautler DIN reactors CE

Meet the following standards:

- DIN 28 130, part 2 assembly of components
- DIN 28 136 reactors type CE
- DIN 28 137, part 2 agitator flange
- DIN 28 157 impeller agitators
- DIN 28 146 paddle-type baffles
- DIN 29 145, part 8 legs
- DIN 28 145, part 4 supporting rings
- DIN 28 151 jacket connections
Type A1/A2 without circulating nozzles
Type B1/B2 with circulating nozzles

Head layout depending on reactor size



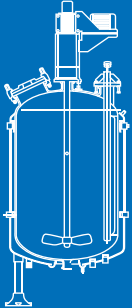
DIN CE Reactors

Technical information

Head layout	Rated volume	Total flooded volume	Jacket volume	Heating/ cooling surface	Leading dimensions [mm]										Drive			Empty weight ¹	
														5	Type	n	Md max.		
	[l]	[l]	[l]	[m²]	d ₁	d ₂	d ₄	d ₆	d ₇	h ₁	h ₃	h ₄	h ₅ ≈	h ₆	a≈	VSO	[min ⁻¹]	[Nm]	[kg]≈
1	1600	2040	295	6,5	1400	1500	840	153	770	1610	1915	70	3800	710	1580	8/80	125	600	2850
	2500	3095	375	8,6	1600	1700	960	153	770	1860	2175	70	4050	760	1600	8/80	125	600	3600
2	4000	4910	510	12,0	1800	1900	1100	203	770	2295	2630	70	4740	825	1950	16/100A	125	1250	5450
3	6300	7575	680	16,6	2000	2100	1100	203	770	2840	3180	90	5290	885	2650	16/100	125	1250	7550
	8000 ²	8765	780	19,2	2000	2100	1100	203	770	3250	3580	90	5690	885	3000	16/100		1250	8350
4	8000	9370	725	18,0	2200	2300	1100	203	770	3000	3330	90	5440	1040	2800	16/100	125	1250	8300
4	10000	11770	810	20,7	2400	2500	1300	240	965	3180	3535	85	5870	1125	2950	32/125	125	2400	11050
	12500	14360	1100	25,2	2400	2500	1300	240	965	3780	4135	85	6470	1125	3450	32/125	125	2400	12500
4	16000	18200	1260	29,5	2600	2700	1350	240	965	4080	4435	85	6770	1180	3750	32/125	90	2400	15000
4	16000	18700	1200	28,2	2800	2900	1500	240	1160	3705	4085	80	6590	1255	3400	64/125	90	5200	16450
4	20000	22710	1410	34,2	2800	2900	1500	240	1160	4385	4765	80	7250	1255	3950	64/140	90	5200	19800
4	25000	27720	1675	41,6	2800	2900	1500	240	1160	5235	5615	80	8090	1255	4650	64/140	90	5200	21500
4	25000	28390	1605	39,7	3000	3100	1600	240	1160	4755	5135	80	7610	1315	4200	64/140	90	5200	21550
4	32000	36000	2935	47,3	3200	3350	1600	290	1350	5280	5685	80	8090	1405	4650	64/160	90	3	28450
	32000	37050	2965	45,7	3400	3550	1700	290	1350	4875	5285	75	7690	1470	4350	64/160	90	3	28450
4	40000	45050	3525	55,5	3400	3550	1700	290	1350	5795	6205	75	8610	1470	5100	64/160	90	3	33600
4	40000	45920	3405	53,5	3600	3750	1800	290	1350	5365	5775	75	8180	1530	4750	64/160	90	3	33600



ACID
CONCENTRATION
H₂SO₄ | HNO₃



GLASTEEL
—
ANTI CORROSION
ANTI STICK
ANTI STATIC

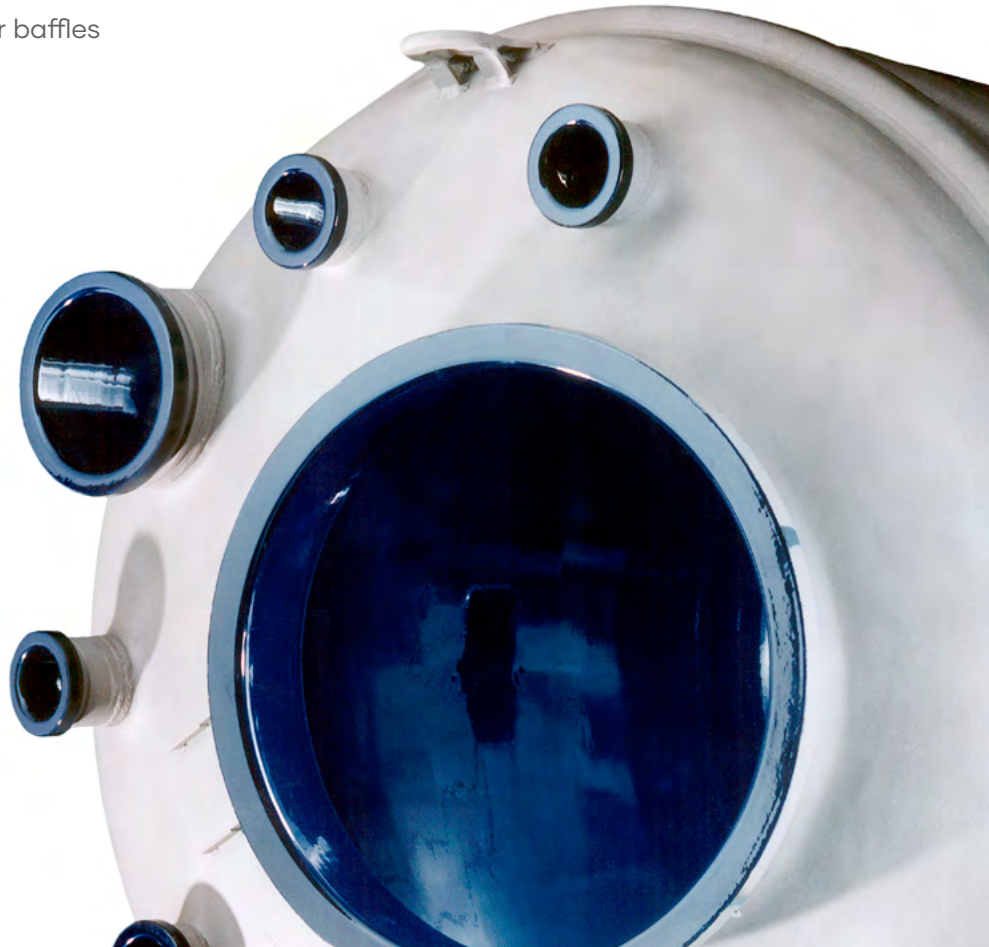
- 1 Assembled weight without supporting structure or motor
- 2 Not to DIN
- 3 Depending on drive design
- 4 Jacket connections to DIN 28151 A1/A2 and B1/B2 Connections N16-N19 are for use with circulating nozzles, the quantity depending on reactor size
- 5 Head room required for removal of impeller agitator.

DIN CE Reactors

Technical information

Head layout	Rated volume	d ₁	Connections [DN]										
			Jacket		Reactor								
			N11 N12 N14 N15	N16– N19 ⁴	K	N1	N2 N10	N3	N4	N5 N7	N6	N8	N9
1	1600	1400	50	50	100	350/450	—	100	—	200	100	—	100
1	2500	1600	50	50	100	350/450	10	100	—	200	100	—	100
2	4000	1800	50	50	100	500	250	150	—	100	100	—	150
3	6300	2000	80	50	150	500	150	150	—	250	150	—	150
3	8000	2000	80	50	150	500	150	150	—	250	150	—	150
4	8000	2200	80	50	150	500	150	150	150	300	150	150	150
4	10000	2400	80	50	150	500	200	200	200	300	200	200	200
4	12500	2400	80	50	150	500	200	200	200	300	200	200	200
4	16000	2600	80	50	150	500	200	200	200	300	200	200	200
4	16000	2800	80	50	150	500	200	200	200	400	200	200	200
4	20000	2800	80	50	150	500	200	200	200	400	200	200	200
4	25000	2800	80	50	150	500	200	200	200	400	200	200	200
4	25000	3000	80	50	150	600	200	200	200	400	200	200	200
4	32000	3200	100	80	150	600	200	200	250	400	200	200	250
4	32000	3400	100	80	150	600	200	200	250	400	200	200	250
4	40000	3400	100	80	150	600	200	200	250	400	200	200	250
4	40000	3600	100	80	150	600	200	200	250	400	200	200	250

Nozzles N4 and N9 are designed for baffles
Sight glass L= DN 100



Worldwide Presence



GMM Pfaudler is a global leader in corrosion-resistant technologies, systems, and services for the chemical, pharmaceutical, food and energy industry.

Our Branded Product Lines that include PFAUDLER, NORMAG, MAVAG, MIXION, INTERSEAL, EQUILLOY, EDLON and HYDROAIR showcase our strength as a group, our capabilities, and our pursuit for constant innovation. With an end-to-end solutions-oriented approach, a global footprint, and a perfectly integrated offering system we are able to meet complex industry demands worldwide.

GMM Pfaudler is driven by 1800+ individuals across 4 continents and 16 global manufacturing facilities around the world. The Group's targeted investments in strategic markets, innovation and competitiveness paves the way forward for GMM Pfaudler's continued legacy.

80+ Countries

1800+ Employees

04 Continents

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