

References High-Pressure Equipment



Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
2023	SINOPEC NZRCC Ningbo/ P.R. China	INA	2 Reactors 3 Heat exchanger 2 Expansion valves	20 m long, 250 tons	325 bar
	Zhejiang Petrochemical Zhoushan/ P.R. China	LDPE Autoclave Line	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples	DN 68	3.600 bar
	BASF Integrated Site Zhanjiang/ P.R. China	Citral	Reactor Injector System Heat Exchanger Flash Drum Electrical Heater Piping components Angle valves	DN 24 – DN 120	325 bar
	Levima Green Tengzhou/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 62	3.600 bar
2022	H&G Chemical Yeosu/ Korea	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	Zhejiang Petrochemical Zhoushan/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 89	3.000 bar
	Zhejiang Petrochemical Zhoushan/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	Jiangsu Hongjing Lianyungang/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 62	3.600 bar
2021	Shandong Yulong Longkou/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 72	3.600 bar
	Shandong Yulong Longkou/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 62	3.600 bar
	INEOS Styrolution Ningbo/ P.R. China	ABS	Piping components Angle valves	DN 45	700 bar
	Ningxia Baofeng Energy Yinchuan/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 68	3.600 bar
2020	Wanhua Chemical Yantai/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 72	3.600 bar
	Shell Germany Oil Wesseling/ Germany	Cracker	Electrical Heater (hairpin type)	DN 120 x 13.000	325 bar
2019	Xinjiang Tianli Gaoxin PC, Xinjiang/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 62	3.600 bar
	Hyundai Chemical Daesan/ Korea	LDPE	High Pressure Product Separator Kick valves and Product Valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	Zhejiang Petrochemical Zhoushan/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product Valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 89	3.000 bar
	Zhejiang Petrochemical Zhoushan/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product Valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
2017	Shaanxi Yanchang Yulin/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	SINOPEC ZhongKe Petrochemical Zhanjiang/ P.R. China	LDPE Autoclave Line	High Pressure Product Separator Let down valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples	DN 68	3.600 bar
	SINOPEC Yangzi Petrochemical Nanjing/ P.R. China	LDPE Autoclave Line	High Pressure Product Separator Let down valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples	DN 68	3.600 bar
2016	PETRONAS Pengerang/ Malaysia	INA	3 Reactors 1 Heat exchanger 2 Expansion valves	20 m long, 250 tons	325 bar
2015	BASF PETRONAS Kuantan/ Malaysia	Citral	Reactor Injector System Heat Exchanger Oil separator Piping components Angle valves Safety valves	DN 6 – DN 160	325 bar
	Daqing Petrochemical Daqing/ P.R. China	LDPE	Kick valve	DN 40	3.200 bar
2014	BASF MPCC Maoming/ P.R. China	INA	2 Reactors 3 Heat exchanger 2 Expansion valves	20 m long, 250 tons	325 bar
	TVK Tiszaújváros/ Hungary	LDPE	Kick valves	DN 40	3.600 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
2013	Jiangsu Sailboat Lianyungang/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler	DN 68	3.600 bar
	Jiangsu Sailboat Lianyungang/ P.R. China	LDPE Autoclave Line	High Pressure Product Separator Let down valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Pre-Cooler Pre-Chiller Start-up Heater Product Cooler	DN 68	3.600 bar
	Reliance Industries Jamnagar/ India	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 89	3.000 bar
	Tomskneftekhim Tomsk/ Russia	LDPE	High Pressure Product Separator Product valves T-emergency valves Safety valves Bursting disc units Thermocouples	DN 90	500 bar
	Shenhua Xinjiang/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	TPI Salzgitter/ Germany	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 65	3.600 bar
	2012	Shenhua Yulin/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BraskemIdesa Coatzacoalcos/ Mexico	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	SamsungTotal Daesan/ Korea	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 68	3.600 bar
2011	TVK Hungary	LDPE	Piping components Thermocouples	DN 40	3.600 bar
2010	TSJ Abu Dhabi U.A.E	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Piping components PN500	DN 82	3.600 bar
	LG Chem Daesan/ Korea	LDPE	Kick valves (let down valves)	DN 55	3.600 bar
	BYC Nanjing/ P.R. China	LDPE TM-Line	Kick valves T-emergency valves Control valves On/off valves Piping components	DN 62	3.600 bar
2009	ADRIA OIL Milan/ Italy	LDPE	Piping components Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	QAPCO Doha/ Qatar	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.600 bar
	Shell Germany Oil Wesseling/ Germany	Cracker	Electrical Heater (hairpin type)	DN 120 x 13.000	325 bar
	BASF Antwerp Antwerp/ Belgium	Deacon	Piping components Valves	DN 90	325 bar

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2008	PTTPE Map Ta Phut/ Thailand	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 75	3.000 bar
	Basell Polyolefine GmbH Wesseling/ Germany	LDPE	Piping components Valves	DN 90	700 bar
	BASF Ludwigshafen/ Germany	Ammonia	Piping components Valves	DN 45	325 bar
	Saudi Kayan PC Jubail/ Saudi Arabia	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 76	3.600 bar
	BASF Ludwigshafen/ Germany	Propionic acid	Piping components Valves	DN 45	325 bar
2007	Borealis Stenungsund/ Sweden	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles	DN 82	3.200 bar
	BASF Ludwigshafen/ Germany	Hexamol Dinch	Piping components Valves	DN 160	325 bar
	BASF Ludwigshafen/ Germany	Laromine	Piping components Valves	DN 90	325 bar
2006	Tecnimont/ Tasnee – Saudi Ethylene and Polyethylene Company, Jubail/ Saudi Arabia	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactors Preheater Aftercooler Piping components On/off valves	DN 89	3.000 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Ludwigshafen/ Germany		HD-Bundle reactor	Ø 1.535 x 12.000	260 bar
	BASF Ludwigshafen/ Germany		HD-Separator	Ø 1.000 x 3.475	260 bar
	BASF Ludwigshafen/ Germany		HD-Separator with Liner	Ø 800 x 6.900	325 bar
	Simon Carves/ Amir Kabir Petrochemical Company Bandar Imam/ Iran	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 82	3.600 bar
2005	SINOPEC Maoming Petrochemical Maoming/ P.R. China	LDPE	High Pressure Product Separator Soft Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler On/off valves	DN 72	3.600 bar
2004	PetroChina Lanzhou Petrochemical Lanzhou/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Piping components Valves	DN 62	3.600 bar
	CNOOC & Shell, Nanhai/ P.R. China	LDPE	Valves	DN 76	3.600 bar
2003	Simon Carves Manchester/UK	LDPE	Valves	DN 160	500 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	Tecnimont/ CNOOC Shell, Nanhai/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 76	3.600 bar
2002	PetroChina Daqing Petrochemical Daqing/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Piping components Valves	DN 62	3.600 bar
2001	Basell/BYC Nanjing/ P.R. China	LDPE TM-Line	High Pressure Product Separator Kick valves and Product valves Coldgas control valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 50/55/62	3.600 bar
	Basell/BYC Nanjing/ P.R. China	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 62	3.600 bar
2000	BASF Ludwigshafen/ Germany	Propionic acid	Reactor	Ø 800 x 12.000	325 bar
	BASF Ludwigshafen/ Germany	Crop Protection	Agitator vessel	Ø 400 x 1.500	325 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Ludwigshafen/ Germany	Amine	Reactor	Ø 1.200 x 12.000	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Piping components	DN 40	2.500 bar
	BASF Corporation, Freeport/ USA	Hexanediol	Reactor Separator Separator Preheater Heat exchanger	Ø 1.400 x 18.000 Ø 600 x 15.000 Ø 1.200 x 6.000	300 bar
	BASF Ludwigshafen/ Germany	EPC	Apparatus for test plant		325 bar
1999	BASF Ludwigshafen/ Germany	Urea	Reactor	Ø 2.000 x 20.000	290 bar
	Elenac Wesseling/ Germany	HDPE	Separator N2 buffer vessel		325 bar
	Salzgitter Anlagenbau Elenac, Aubette/ France	LDPE	High Pressure Product Separator Kick valves and Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 76	3.600 bar
1998	BASF Ludwigshafen/ Germany	Butanediol	Separator		325 bar
	Elenac Aubette/ France	LDPE	Kick valves	DN 40	3.600 bar
	BASF Corporation Geismar/ USA	Butanediol	Reactors Separator	Ø 1.000 x 18.000 Ø 1.000 x 18.000	325 bar
	BASF Ludwigshafen/ Germany	Butanediol	Separator	Ø 1.000 x 6.000	325 bar
1997	Salzgitter Anlagenbau Gazprom, Novo Sibirsk/ Russia	LDPE	Kick valves (let down valves) and Product valves Bursting disc units	DN 40	3.600 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Ludwigshafen/ Germany	Butylamine	Double tube heat exchanger	DN 58	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Piping components	DN 40	2.500 bar
	BASF Ludwigshafen/ Germany		Hydrogenation reactor		500 bar
	BASF Ludwigshafen/ Germany	Ammonia	Ammonia Reactor		350 bar
	Elenac Wesseling/ Germany	LDPE	Recycle gas cooler	Ø 273 x 9.760	375 bar
1996	BASF Ludwigshafen/ Germany	Propionic acid	Regenerator Separator	Ø 250 x 8.000 Ø 400 x 2.500	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Piping components	DN 40 / DN 58	2.500 bar
1995	BASF Ludwigshafen/ Germany	Isophorone plant	Reacor Reactor Separator Double tube heat exchanger Heat exchanger Electrical preheater Regenerator	Ø 800 x 12.000 Ø 500 x 8.000 Ø 600 x 4.000 NW45 x 10.000 Ø 250 x 8.000 DN 58 Ø 200 x 8.000	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Vessel	Ø 1.200 x 6.500	2.500 bar
	BASF Ludwigshafen/ Germany	DEMAPA	Hydrogenation reactor Separator Heat exchanger	Ø 500 x 12.000 Ø 800 x 4.000 Ø 260 x 7.200	325 bar
1994	Hyundai Petrochemical Seoul/ Korea	LDPE	Kick valve	DN 40	3.600 bar
	BASF Ludwigshafen/ Germany	Propionic acid	Reactor	Ø 796 x 12.000	325 bar
	BASF Ludwigshafen/ Germany	Nonyl	Hydrogenation reactor Hydrogenation reactor Steam generator	Ø 783 x 12.000 Ø 800 x 15.000 Ø 508 x 9.000	325 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
1993	BASF Ludwigshafen/ Germany	Nonyl	Heat exchanger	Ø 245 x 11.700	325 bar
			Steam generator	Ø 508 x 12.000	
			Reactor	Ø 1.800 x 18.500	
			Preheater		
			Heat exchanger	Ø 300 x 8.100	
			Vessel	Ø 580 x 4.000	
1992	BASF Antwerp Antwerp/ Belgium		Heat exchanger		325 bar
	BASF Ludwigshafen/ Germany	Citral	N2 Vessel	Ø 500 x 4.000	325 bar
	BASF Ludwigshafen/ Germany	Carbonyl	CO Cooler		325 bar
	ROW Wesseling/ Germany	LDPE	Intercooler	DN 34 x 7.000	1.600 bar
	BASF Ludwigshafen/ Germany	Butanediol	Preheater		325 bar
	Bopp + Reuther Mannheim/ Germany	Test plant	Vessel		325 bar
	BASF Ludwigshafen/ Germany	Nonyl	Separator Resonators		325 bar
	BASF Ludwigshafen/ Germany	Acetic acid	Carbonyl generator		325 bar
	Bariven Venezuela	Hydro- cracking test plant	Reactors		325 bar
	BASF Ludwigshafen/ Germany	Butanediol	Recycle gas cooler		325 bar
1991	ROW Wesseling/ Germany	LDPE	Jacketed tubes	DN 32/40	3.600 bar
	BASF Ludwigshafen/ Germany		Separator	Ø 800 x 4.000	325 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	Shell Carrington/ UK	LDPE	Reactor Preheater Aftercooler Kick valves (let down valves) and Product valves T-emergency valves Piping components Intercooler Separator	DN 55	3.600 bar
	DEA Mineralöle Wesseling/ Germany	Hydro- generation	Electrical Heater (hairpin type) Piping components	DN 120 x 13.000	325 bar
	BASF Ludwigshafen/ Germany	VP plant	Reactor		300 bar
1990	Salzgitter Anlagenbau Tiszaújváros/ Hungaria	LDPE	Kick valves Safety valves	DN 40	3.600 bar
	BASF Ludwigshafen/ Germany	Citral	Electrical preheater	DN 58	325 bar
	PCD Polymere GmbH Schwechat/ Austria	LDPE	Reactor Piping components	DN 40	3.600 bar
	Shell Carrington/ UK	LDPE	Reactor Piping components	DN 40	3.600 bar
	Hyundai Petrochemical Seoul/ Korea	LDPE	Product separator Kick valves	DN 40	3.600 bar
	BASF Ludwigshafen/ Germany	Butanediol	Preheater		325 bar
	BASF Antwerp Antwerp/ Belgium	Amine	Heat exchanger	Ø 350 x 13.000	250 bar
1989	BASF Ludwigshafen/ Germany	Synthetic gas	Reduction reactor	Ø 1.000 x 16.000	325 bar
	BASF Ludwigshafen/ Germany	Citral	N2 Vessel	Ø 500 x 4.000	325 bar
	BASF Ludwigshafen/ Germany	Nonyl	Hydrogenation reactor	Ø 1.000 x 16.000	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Droplet separator		2.500 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Corporation Geismar/USA	Butanediol	Reactor Separator	Ø 1.400 x 20.000 Ø 1.200 x 6.000	350 bar
	BASF Ludwigshafen/ Germany	Butanediol	Double tube cooler	DN 58	325 bar
1988	BASF Ludwigshafen/ Germany	Nonyl	Reactor Preheater Steam generator Separator	Ø 800 x 20.000 Ø 280 x 5.500	325 bar
	BASF Ludwigshafen/ Germany	Butanediol	Separator	Ø 800 x 6.000	325 bar
	BASF Ludwigshafen/ Germany	Citral	Reactor Heat exchanger Separator Preheater Electrical preheater Heat exchanger	Ø 800 x 12.000 DN 58 DN 24	325 bar
	ROW Wesseling/ Germany	LDPE	Autoclave	Ø 290 x 3.500	2.500 bar
	BASF Ludwigshafen/ Germany	Hexanediol	Hydrogenation reactor Separator Separator Vessel Preheater	Ø 800 x 12.000 Ø 1.000 x 6.000 Ø 330 x 2.000 Ø 600 x 4.800 DN 70 x 12.500	325 bar
	BASF Ludwigshafen/ Germany	Diol	Hydrogenation reactor	Ø 800 x 12.000	325 bar
	BASF Ludwigshafen/ Germany	LDPE Wax	Agitated autoclave Separator	Ø 250 x 2.500 Ø 400 x 4.000	2.500 bar 325 bar
1987	BASF Ludwigshafen/ Germany	Chromium- dioxide	Reactor	Ø 600 x 8.000	400 bar
	ROW Wesseling/ Germany	LDPE	Recycle gas cooler Recycle gas cooler Piping components	DN 40 DN 25	2.500 bar
	BASF Ludwigshafen/ Germany	Nonyl	Reactor Reactor	Ø 1.000 x 18.000 Ø 1.500 x 18.000	325 bar
1986	BASF Ludwigshafen/ Germany	Chromium- dioxide	Reactor	Ø 600 x 8.000	400 bar
	DEA Mineralöle Wesseling/ Germany	Hydro- generation	Piping components	Ø 120 x 10.000	325 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Ludwigshafen/ Germany	Butylamine	Preheater	Ø 200	325 bar
	BASF Ludwigshafen/ Germany	Hexanediol	Preheater	DN 70	325 bar
1985	BASF Corporation Geismar/ USA	Butanediol	Reactor Separator	Ø 1.200 x 18.000 Ø 1.000 x 6.000	350 bar
	BASF Ludwigshafen/ Germany	Butylamin	Reactor	Ø 350 x 12.000	325 bar
	DEA Mineralöle Wesseling/ Germany	Hydro- generation	Reactor	DN 120 x 10.000	325 bar
	BASF Ludwigshafen/ Germany	Chromium- dioxide	Reactor	Ø 600 x 8.000	400 bar
1984	BASF Ludwigshafen/ Germany	Butanediol	Reactor	Ø 12.000 x 18.000	325 bar
	BASF Corporation Geismar/ USA	Butanediol	Reactor Separator	Ø 1.200 x 18.000 Ø 1.000 x 6.000	350 bar
1983	BASF Ludwigshafen/ Germany	Nonyl	Reactor	Ø 800 x 12.000	325 bar
	BASF Corporation Freeport/ USA	Hexanediol	Reactor Separator Separator Separator Double tube heat exchanger	Ø 1.000 x 16.000 Ø 1.000 x 6.100 Ø 460 x 3.000 Ø 250 x 2.000 DN 30	330 bar
	BASF Ludwigshafen/ Germany	Dispersions	Reactor	Ø 800	250 bar
	BASF Antwerp Antwerp/ Belgium	Amine	Heat exchanger	Ø 350 x 13.000	250 bar
	Romchim Craiova/ Romania	Acetic acid	Reactors	Ø 1.650 x 18.000	700 bar
1982	BASF Ludwigshafen/ Germany	Reduction plant	Reactors	Ø 1.400	325 bar
	Borden Chemicals Geismar/ USA	Acetic acid	Reactors		700 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
1981	Shell Carrington/ UK	LDPE	Reactor Preheater Aftercooler Buffer vessel Piping components Valves	DN 40	3.600 bar
	BASF Ludwigshafen/ Germany	Chromium- dioxide	Reactor	Ø 600 x 8.000	400 bar
	Saarberg Germany	Coal liquification	Reactors Separator		325 bar
	BASF Ludwigshafen/ Germany	Citral	Reactor Heat exchanger Heater Double tube heat exchanger	Ø 800 x 10.000	325 bar
	BASF Ludwigshafen/ Germany	Dispersions	Agitator vessel	Ø 800	250 bar
	Mobil Oil Texas/ USA	LDPE	Reactor Preheater Aftercooler Buffer vessel Piping components Valves	DN 45	3.600 bar
1980	BASF Ludwigshafen/ Germany	Chromium- dioxide	Reactor	Ø 600 x 8.000	400 bar
	PCD Polymere GmbH, Schwechat/ Austria	LDPE	Reactor Preheater Aftercooler Product Separator Intercooler Buffer vessel	DN 40	3.200 bar
1979	BASF Antwerp Antwerp/ Belgium	Ethylene diamine	Reactor		325 bar
	Romchim, Romania	Acetic acid	Reactor Buffer vessel	Ø 1.650 x 20.000	700 bar
1978	BASF Ludwigshafen/ Germany	Dimethyl- adipate	Reactors		325 bar
	Semadco Thalka/ Egypt	Ammonia	Reactor Heat exchanger Piping components		350 bar
1977	Mobil Oil USA	Ammonia	Reactor Heat exchanger Piping components		350 bar

Year	Customer	Project	Scope of Supply	Max. Dimensions	Pressure
	BASF Antwerp Antwerp/ Belgium	Ethylene diamine	Reactor	Ø 1.500 x 15.500	300 bar
	BASF Ludwigshafen/ Germany	Urea	Reactor	Ø 2.000 x 18.000	290 bar
	CNTIC P.R. China	Oxo alcohols	Reactor Buffer vessel	Ø 1.300 x 18.000 Ø 500 x 4.800	325 bar
1976	Romchim Craiova/ Romania	Oxo alcohols	Reactors Piping components	Ø 1.300 x 18.000	325 bar
	Solventul Temesvar/ Romania	Oxo alcohols	Reactors Piping components	Ø 1.300 x 18.000	325 bar
	Northern Petrochemical Company Illinois/ USA	LDPE	High Pressure Product Separator Kick valves (let down valves) Product valves T-emergency valves Safety valves Bursting disc units Thermocouples Peroxide Injection Nozzles Reactor Preheater Aftercooler Piping components On/off valves	DN 45	3.200 bar
1975	Techmash-import Severodonezk/ Russia	AH-Salt	Reactor Reactor Separator Heat exchanger Electrical preheater	Ø 400 x 8.000 Ø 900 x 18.000 Ø 350 Ø 500 x 12.000	325 bar
	BASF Ludwigshafen/ Germany	Iron- Carbonyls	Reactors	Ø 1.100 x 8.000	325 bar
	BASF Corporation Geismar/ USA	Butanediol	Reactors Separator	Ø 1.200 x 18.000 Ø 1.000 x 5.000	350 bar
	PCD Polymere GmbH Schwechat/ Austria	LDPE	Piping components vessels	DN 45	3.200 bar
	Mobil Oil Texas/ USA	LDPE	Separator Buffer vessel Buffer vessel	Ø 790 x 4.700 Ø 300 x 3.500 Ø 500 x 3.000	3.400 bar
	BASF Ludwigshafen/ Germany	Urea	Reactor	Ø 2.000 x 18.000	290 bar