



Reference List



HCl PLANTS

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ABS_AD = HCl absorption, adiabatic
ABS_ISO = HCl absorption, isotherm
CON = HCl Concentration

DES = HCl desorption
CLE = HCl cleaning

C = Confidential

Year	Country	Type of Plant	Remarks	Column diameter
Africa				
2004	South Africa			
America				
1997	USA	ABS_ISO		DN 900
Asia				
1996	China	DES		
1997	China	DES		DN100-DN300
1999	China	DES		
1989	Malaysia	DES		
1990	South Korea	ABS		
1996	Taiwan			
1997	Taiwan	CLE		
1997	Taiwan	ABS_ISO		
1997	Taiwan	DES		
1998	Taiwan			
Europe				
1984	Austria	ABS_ISO		DN225
1986	Austria			DN1000
2000	Germany	DES		DN300
2000	Germany			DN400
2001	Germany			
2003	Germany	CON		DN800
2004	Germany	ABS_AD		DN300
1974	Germany	DES		DN300
1975	Germany	ABS_ISO		DN450
1976	Germany	ABS_ISO		DN300
1976	Germany	ABS_ISO		DN300
1977	Germany	ABS_ISO		DN100
1977	Germany			DN600
1980	Germany	ABS_AD		DN225
1980	Germany	ABS_AD		DN225
1980	Germany	ABS_ISO		DN300
1980	Germany	ABS_AD		DN225
1981	Germany	CLE		
1981	Germany	CON		
1982	Germany	ABS_ISO		
1982	Germany	CON		
1983	Germany	ABS_ISO		DN225
1984	Germany	ABS_AD		DN600
1984	Germany	ABS_ISO		DN80
1985	Germany	ABS_ISO		DN50-DN100
1985	Germany			DN80
1986	Germany			
1987	Germany	ABS_ISO		DN225
1987	Germany	ABS_ISO		
1989	Germany	ABS_ISO		DN300
1991	Germany	CON		
1995	Germany	ABS_ISO		DN150
1995	Germany	ABS_AD		DN225
1995	Germany			
1995	Germany			



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Year	Country	Type of Plant	Remarks	Column diameter
1996	Germany			
1996	Germany	ABS_AD		DN300
1996	Germany	ABS_ISO		DN100
1997	Germany	ABS_AD		DN300
1997	Germany			
1997	Germany			DN100
1998	Germany	ABS_AD		DN225
1998	Germany	ABS_AD		DN300
1998	Germany	ABS_ISO		DN100
1998	Germany	ABS_ISO		DN200
2000	Germany	DES		
2000	Germany	ABS_AD		
2000	Germany	ABS_AD		DN400
2000	Germany	ABS_AD		DN225
2000	Germany	ABS_ISO		DN225
2000	Germany	ABS_ISO		DN100
2000	Germany	ABS_ISO		DN220
2000	Germany	ABS_ISO		
2000	Germany	ABS_ISO		DN225
2000	Germany	ABS_AD		DN150
2000	Germany	ABS_ISO		DN150
2000	Germany			DN300
2001	Germany	ABS_AD		DN1000
2003	Germany	CON		DN300
2006	Germany	ABS_ISO		DN300
2008	Germany	ABS		DN450
2009	Germany	ABS		
2010	Germany	ABS		DN800
1994	Israel			
2007	Italy	ABS		
1982	Spain	ABS_AD		DN150
1983	Spain	ABS_AD		DN80
1986	Spain	ABS_AD		DN200
1989	Spain	ABS_AD		DN450
1991	Spain	ABS_AD		DN200
1991	Spain	ABS_AD		DN300
1992	Spain	ABS_AD		DN300
1992	Spain	ABS_AD		DN225
1999	Spain	CLE	high quality HCl production	DN300
2000	Spain	ABS_AD		DN225
2003	Sweden	ABS_ISO		DN300
2000	Swiss	ABS_AD, CLE		DN300
1985	Switzerland	ABS_ISO		DN225
2004	Venezuela	ABS_AD		DN600