



Reference List

member of
De Dietrich
 PROCESS SYSTEMS

EXTRACTION COLUMNS (RZE / KARR)

2/2007
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RZE = Rotating Disc Contactor

C = Confidential

Karr = Reciprocating plate extraction column

| Year | Country | Type of Plant | Column d [mm] | Active height [m] | Columns / Internals |
|---------------|---------------|---------------|---------------|-------------------|---------------------|
| Asia | | | | | |
| 1983 | Japan | RZE | 300 | 1,8 | Glas 1.4571 |
| 1983 | Japan | RZE | 450 | 2,4 | Glas 1.4571 |
| 1983 | Japan | RZE | 600 | 3 | Glas 1.4571 |
| 1986 | Japan | RZE | 600 | - | Hastelloy - |
| Europe | | | | | |
| 1984 | Austria | RZE | 100 | 2 | Glas 1.4571 |
| 1989 | Belgium | RZE | 150 | 2 | Glas - |
| 1997 | Belgium | RZE | 100 | 4 | Glas 1.4571 |
| 1997 | Belgium | RZE | 450 | 6 | Glas 1.4571 |
| 1985 | Breat Britain | Karr | 50 | 2 | Glas |
| 1998 | Breat Britain | RZE | 450 | 5 | Glas 1.4571 |
| 1971 | Germany | RZE | 225 | 2 | Glas 1.4571 |
| 1971 | Germany | RZE | 300 | 2 | Glas 1.4571 |
| 1979 | Germany | Karr | 300 | 11,5 | Glas 1.4571 |
| 1980 | Germany | Karr | 150 | 6 | Glas 1.4539 |
| 1980 | Germany | Karr | 300 | 5,2 | Glas 1.4571 |
| 1980 | Germany | Karr | 300 | 2 | Glas 1.4571 |
| 1981 | Germany | RZE | 150 | 2 | Glas 1.4571 |
| 1982 | Germany | RZE | 150 | 2 | Glas 1.4571 |
| 1982 | Germany | RZE | 150 | 2 | Glas 1.4571 |
| 1982 | Germany | RZE | 500 | - | 1.4571 |
| 1983 | Germany | Karr | 80 | 2 | Glas 1.4572 |
| 1984 | Germany | RZE | 600 | 3 | Glas 1.4571 |
| 1984 | Germany | Karr | 25 | 1 | Glas 1.4571 |
| 1984 | Germany | Karr | 50 | 2x2 | Glas Titan |
| 1984 | Germany | Karr | 100 | 2 | Glas 1.4573 |
| 1984 | Germany | Karr | 300 | 4 | Glas Hastelloy C 4 |
| 1985 | Germany | RZE | 150 | 2 | Glas 1.4571 |
| 1985 | Germany | RZE | 700 | 1,8 | Titan - |
| 1985 | Germany | Karr | 25 | 2 | Glas PTFE |
| 1985 | Germany | Karr | 50 | 3 | Glas 1.4571/PTFE |
| 1985 | Germany | Karr | 50 | 3 | Glas |
| 1985 | Germany | Karr | 50 | 4 | Glas Hastelloy C4 |
| 1985 | Germany | Karr | 150 | 7 | Glas 1.4571 |
| 1986 | Germany | RZE | 900 | 8,9 | 1.4571 1.4571 |
| 1986 | Germany | RZE | 1100 | 9 | 1.4571 1.4571 |
| 1986 | Germany | Karr | 150 | 4 | Glas PTFE |
| 1986 | Germany | Karr | 225 | 5,2 | Glas 1.4539 |
| 1986 | Germany | Karr | 600 | 8 | Glas Titan |
| 1987 | Germany | RZE | 300 | 3,1 | Titan - |
| 1988 | Germany | Karr | 225 | 6,4 | Glas 1.4549 |
| 1989 | Germany | RZE | 100 | 1 | Glas 1.4571 |
| 1989 | Germany | RZE | 300 | 2 | Glas 1.4571 |
| 1989 | Germany | RZE | 400 | 3,8 + 4,6 | 1.4571 1.4571 |
| 1989 | Germany | Karr | 250 | 6,6 | Glas 1.4539 |
| 1989 | Germany | Karr | 300 | 4,9 | Glas 1.4571 |
| 1989 | Germany | Karr | 400 | 6,8 | Glas 1.4571 |
| 1990 | Germany | RZE | 250 | 2 | 1.4571 1.4571 |
| 1990 | Germany | RZE | 450 | 4,5 | Glas 1.4539 |
| 1990 | Germany | Karr | 50 | 3 | Glas PTFE |
| 1991 | Germany | RZE | 80 | 1 | Glas Titan |
| 1991 | Germany | RZE | 225 | 3 | Glas 1.4571 |
| 1991 | Germany | RZE | 300 | 2 | Glas 1.4571 |
| 1991 | Germany | Karr | 80 | 3 | Glas 1.4571 |
| 1991 | Germany | Karr | 300 | 4 | Glas Titan |



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|------|-------------|---------------|---------------|-------------------|---------------------|--------|
| 1992 | Germany | Karr | 150 | 5 | Glas | PTFE |
| 1992 | Germany | Karr | 450 | 6 | Glas | PTFE |
| 1992 | Germany | Karr | 450 | 2,5 | Glas | PTFE |
| 1993 | Germany | Karr | 300 | 6 | Glas | PTFE |
| 1995 | Germany | RZE | 300 | 4 | Glas | 1.4571 |
| 1996 | Germany | RZE | 700 | 6 | 1.4539 | 1.4539 |
| 1996 | Germany | Karr | 700 | 8 | Glas | PTFE |
| 1997 | Germany | RZE | 300 | 4 | Glas | 1.4571 |
| 1997 | Germany | Karr | 450 | 2,8 | Glas | PTFE |
| 1999 | Germany | RZE | 80 | 1 | Glas | 1.4571 |
| 1999 | Slovenia | RZE | 150 | 3 | Glas | C-267 |
| 2000 | Slovenia | RZE | 100 | 2,5 | Glas | C-267 |
| 1993 | Spain | RZE | 225 | 1 | Glas | 1.4563 |
| 1993 | Spain | RZE | 225 | 2 | Glas | 1.4563 |
| 1993 | Spain | RZE | 300 | 1,5 | Glas | 1.4563 |
| 1986 | Switzerland | RZE | 150 | 5 | Glas | 1.4571 |
| 1987 | Switzerland | RZE | 400 | 1,8 | Titan | - |
| 1988 | Switzerland | RZE | 100 | 1 | Glas | 1.4571 |
| 1994 | Switzerland | RZE | 150 | 2,4 | Glas | 1.4571 |
| 1994 | Switzerland | RZE | 150 | 2,4 | Glas | Titan |
| 1994 | Switzerland | RZE | 150 | 3 | Glas | 1.4571 |
| 1994 | Switzerland | RZE | 150 | 3 | 1.4571 | 1.4571 |
| 2005 | Slovenia | RZE | 400 | 3 | 14571 | 14571 |
| 2005 | Germany | RZE | 80 | 2 | Glas | 44.571 |
| 2006 | Germany | RZE | 80 | 1 | Glas | 1.4571 |
| 2006 | UK | Karr | 80 | 4 | Glas | 14571 |