

Description

Ceramic breaks are used when an electrical break is required and to which other vacuum components can be added. They are offered in various dimensions and consist of a ceramic tube, which creates the electrical insulation, with conductive metal tubes brazed to either end. We can provide weldable, CF or KF flanged versions. Cryogenic, water and vacuum breaks are available.



Specification:

Voltage 3 to 15kV @DC

Temperature range

Cryogenic brakes: -200 to 450°C

Water brakes: 0 to 100°C

Vacuum brakes: -200 to 450°C

Features

- Available CF / KF and weldable configuration
- UHV compatibles materials
- Custom configuration available on request

Cryogenic Breaks

Description	Part Number
CRYO BREAK 3KV 3,2DIAM SST WELD	1-BE-0580
CRYO BREAK 3KV 3,2DIAM SST SWG	1-BE-1580
CRYO BREAK 3KV 3,2DIAM SST BRAZE	1-BE-2580
CRYO BREAK 6KV 7,9DIAM SST WELD	1-RF-3580
CRYO BREAK 6KV 11,0DIAM SST WELD	1-BE-5580
CRYO BREAK 6KV 6,4DIAM SST WELD	1-BE-4580
CRYO BREAK 6KV 9,5DIAM SST WELD	1-BE-6580

Water Breaks

Description	Part Number
WATER BREAK TUBE OD 8,1mm COPPER WELD	1-BE-9680
WATER BREAK TUBE OD 11,1mm COPPER WELD	1-BE-0780
WATER BREAK TUBE OD 15,0mm COPPER WELD	1-BE-1780

Vacuum Breaks

Description	Part Number
CERAMIC BREAK 20KV 19DIAM WELD	1-BE-2780
CERAMIC BREAK 35KV 19DIAM WELD	1-BE-9780
CERAMIC BREAK 3KV 38.1DIAM WELD	1-BE-3780
CERAMIC BREAK 15KV 38.1DIAM WELD	1-BE-4780
CERAMIC BREAK 20KV 19,1DIAM CF16	1-BE-7580
CERAMIC BREAK 35KV 19,1DIAM CF16	1-BE-0880
CERAMIC BREAK 3KV 38,1DIAM CF40	1-BE-8580
CERAMIC BREAK 15KV 38,1DIAM CF40	1-BE-9580
CERAMIC BREAK 20KV 19,1DIAM KF16	1-BE-0680
CERAMIC BREAK 35KV 19,1DIAM KF16	1-BE-1880
CERAMIC BREAK 3KV 38,1DIAM KF40	1-BE-1680
CERAMIC BREAK 15KV 38,1DIAM KF40	1-BE-2680

Vacuum Envelopes

Description	Part Number
CERAMIC BREAK 8KV 63,5DIAM WELD	1-BE-5780
CERAMIC BREAK 8KV 101,6DIAM WELD	1-BE-6780
CERAMIC BREAK 15KV 152,4DIAM WELD	1-BE-7780
CERAMIC BREAK 15KV 203,2DIAM WELD	1-BE-8780
CERAMIC BREAK 8KV 63,5DIAM CF63	1-BE-3680
CERAMIC BREAK 8KV 101,6DIAM CF100	1-BE-4680
CERAMIC BREAK 15KV 152,4DIAM CF160	1-BE-5680
CERAMIC BREAK 15KV 203,2DIAM CF200	1-BE-6680