

# SIPHONS

## CAST IRON AND STEEL ALUMINIUM TRANSFER SIPHONS

Siphon tubes are primarily used in aluminium smelter potrooms to extract molten aluminium and molten bath (cryolite) from reduction cells. All aluminium smelters have a siphon assembly design.

Many siphon designs are tube assemblies with flanged joints, which are connected to a vacuum crucible. Some siphons are designed as stand-alone equipment and are not attached to a crucible. This type is used in older plants with open top crucibles.

Siphons typically fail from erosion wear. Their tips are constantly submerged in molten metal baths which causes a shorter product life. Arcing can also cause siphon damage if the siphon moves off centre and makes contact with the anode and metal pad.

### BENEFITS

- Manufactured to project specifications
- Local stocking is available



### APPLICATIONS

- Smelters
- Aluminium tapping and bath

