

Cluster Source

- Pumping station
 - Fore pumps: FP_1 & $FP_2 \rightarrow 32$ A
 - Roots pumps: $RP_1 \rightarrow 32$ A, $RP_2 \rightarrow 63$ A
 - Compressor of cold head device: 32 A
 - 19" electronic rack: 16 A (3 phases)
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1x 16 A (electronic rack), 3x 32 A, 1x 63 A with 3 phases each

Beam Dump

- Devices: 7 frequency converters of turbomolecular pumps (Navigator, 2x V551, 5x V1001)
 - Required rack space: ca. 15 U over all
 - Power supply: 100 – 240 V, European plug
 - Power requirements:
 - * max. input power: 800 VA
 - * max. output power: 320 W (V551), 450 W (V1001)
 - * max. startup power: 430 W (V551), 450 W (V1001)
 - CompactRIO
 - Power requirements: 48 W recommended
 - Power consumption: 20 W
 - Operational voltage: 19 – 30 V
 - Center3 (2x)
 - Required rack space: 3 U
 - Power requirements: 65 W
 - Patch panel ?
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1x 19" electronic rack, 16 A with 3 phases