

Abstract

The invention relates to a device for generating a two-phase fluid jet, the device comprising a rotary nozzle. The device comprises: • a fixed base (10) having:

5 • a central connector (14) for connecting an inlet of a first phase, opening out at the center of the inner surface of the fixed base; • a peripheral connector (13) for connecting an inlet of a second phase, opening out at the periphery, in an annular region, of the inner surface of the fixed base; • a fixed body (20) which is secured to the base and comprises: • a central channel (34) for

10 passage of the first phase; • surrounded by a coaxial annular chamber (46) for passage of the second phase; • a body (30) which is rotatable about an axis corresponding to the longitudinal axis (21) of the fixed body and which has at least one rotating seam arranged in the interface with the fixed body; • the rotary body (30) having a connector for receiving a two-phase diffusion nozzle

15 (40) having a longitudinal axis (41) which is not aligned with the longitudinal axis (21) with the fixed body (20); • a central channel (100) for supplying the nozzle with the first phase, the port opening out at the upstream face of the body via an opening that opens out in the central channel; • and at least one peripheral channel (102) which communicates with the coaxial annular

20 chamber for passage of the second phase; • the body comprising a means for being driven in rotation with respect to the fixed body.