



Specification

Armstrong Nanobubble Generator

Category: Water Processing Equipment

Type: Nanobubble Generator

Model: ANG

1.0 General

- 1.1 Nanobubble Generator shall have an inlet at one end, an outlet at the opposite end, and a conditioning element between the inlet and outlet.
 - 1.2 Nanobubble Generator shall be built with either threaded or flanged connections for either sidestream or inline installation.
 - 1.3 Nanobubble Generator shall be constructed of 316L stainless steel.
 - 1.4 Nanobubble Generator shall be capable of producing nanobubble sized at 100nm.
 - 1.5 Nanobubble Generator shall function as a static mixer and shall not require electrical components.
- 2.0 Nanobubble Generator shall have the following operational specifications:
- 2.1 Flow rate of 1 to 1,150 gpm (4,353 lpm) based on sizing criteria per model
 - 2.2 Maximum 15 psig (1 barg) drop
 - 2.3 Water operating pressure of 5 – 150 psig (0.35 – 10.3 barg)
 - 2.4 Maximum allowable water pressure of 200 psig (13.4 barg)
 - 2.5 Required velocity of 2 – 15 FPS (0.6 – 4.5 MPS)
- 3.0 Nanobubble Generator shall be certified to ASME Section IV B31.1, B31.3.
- 4.0 Nanobubble Generator shall carry a 5-year warranty.