

## HydroWhirl Orbitor Frequently Asked Questions

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**Q: What is the minimum operating pressure required to rotate the Orbitor?**

A: 14.5 psi (1 bar) Starting Pressure, 45 psi (3bar) for an effective wash

**Q: What is the maximum operating pressure for the Orbitor?**

A: 145 psi (10 bar)

**Q: What is the maximum working temperature?**

A: 203° F (95° C)

**Q: What is the maximum ambient temperature?**

A: 284° F (140° C)

**Q: How much does the Orbitor weigh?**

A: 13.2 Lbs (6 kg)

**Q: What is the minimum opening size for a standard-capacity Orbitor?**

A: 125 mm (5.00") for either a 2 nozzle or 4 nozzle model

**Q: Can the Orbitor be mounted upright on a stand?**

A: Yes

**Q: Is the Orbitor patent protected?**

A: Yes

**Q: Is the Orbitor ATEX Certified?**

A: ATEX is a European directive that deals with equipment intended for use in potentially explosive atmosphere. The main purpose of the ATEX directive is to minimize, or completely eliminate, the risk of ignition in explosive areas and to limit the harmful effects in case of an explosion. ATEX is named after the French 'ATmosphère EXplosif', which mean explosive atmosphere.

ATEX classifies hazardous tanks into three zones (0, 1, 2) based on the frequency and duration of a hazardous explosive atmosphere. It is important to note that tanks with zones 1 & 2 classification do NOT require a cleaning device with formal ATEX approval.

The Orbitor is not ATEX Certified but does carry BV (Bureau Veritas) Approval Certification, which states the Orbitor is a non-sparking product for use in hazardous environments.

**Q: Does the Orbitor meet 3A standards?**

A: At this time, the Orbitor has not been submitted for 3A Approval. However, the Orbitor is self-cleaning and self-lubricating, so it is safe for CIP use without the risk of process contamination and can be used for most hygienic applications

**Q: What are the Orbitor's gear ratios?**

A: There are two sets of gears in the Orbitor:

- The sun gear and the gears in the gear cartridge have 13/22 teeth respectively.
- The blind nozzle head and planet gear have 45/43 and this creates the spray pattern.

The gear selection is the same for all Orbitors.

**Q: Does the Orbitor index?**

A: Yes.