

Stirrer RE80 EX / RL80 EX



Mode of operation

The stirrer blade generates horizontal and vertical flows in the container which eliminate the non-homogeneity in the fluid.

Depending on the selected stirrer blade geometry and on the speed these flows are of different strength.

For example, particularly strong vertical flows will be generated when using propeller stirrer blades. Therefore, this geometry is particularly suited to agitate settling substances.

Equipment

- Sealing to the container made of PE-UHMW
- Shaft and stirrer blade made of stainless steel 1.4305 or 1.4581, optionally with PTFE coating
- Stirrer blade diameter 120, 145, 185 or 260 mm
- Shaft lengths range from 104 to 905 mm
- Optionally with inductive proximity switch to check the operating status

Technical data

Pneumatic stirrer RL80 EX

- Air connection: 3.0 – 6.0 bar
- Speed: 30 – 300 rpm
- Output: 40 W (at 6.0 bar and 100 rpm)
- Ambient temperature: –10 to +50 °C
- Air consumption: approx. 42 l/h (at 100 rpm and 3 Nm)
- Atex identification: II 1/2 G Ex h IIC T4 Ga/Gb

Electric stirrer RE80 EX

- Voltage: 240/400 V, 50 Hz
- Electric current: 0.87/0.5 A
- Speed: 96 rpm
- Output: 120 W
- Ambient temperature: –20 to +40 °C
- Atex identification: II 1/2 G Ex h IIC T4 Ga/Gb

Advantages

- Speed control with compressed air regulator in case of RL80 EX
- High mixing quality and short mixing times
- Can be used for Krautzberger pressure feeding containers with a volume of 10, 20 and 50 l
- Can be used for pressureless containers up to a volume of 500 l
- Can be combined with drum cover lifting equipment
- Type-tested design for the use in explosive environments (Atex)

Brief description

Stirrers RL80 EX and RE80 EX are stirrers in explosion-protected design with compressed air motors or electric motor as drive.

Field of application

Stirrers are used for the homogenization and mixing of liquid and pasty fluids. Stirrers are operated in closed, pressureless or pressurized containers.



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