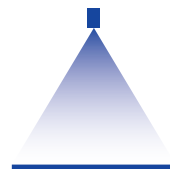
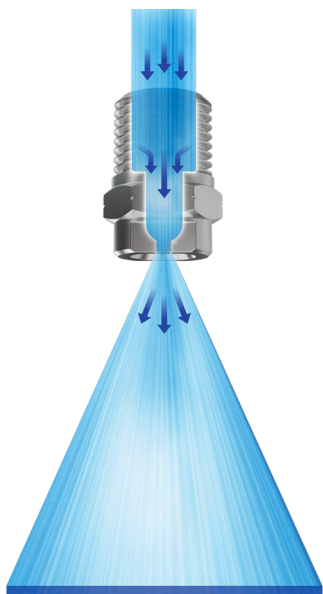


FLAT FAN NOZZLES OVERVIEW OF TYPES



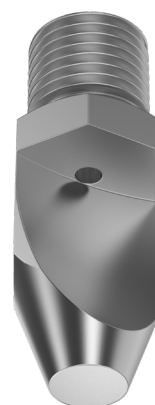
Lechler flat fan nozzles produce intensive, uniform water jet. Flat fan nozzles are generally used in cleaning processes and throughout many areas of surface treatment. Numerous designs – including tongue-type nozzles for special applications – and extensive assembly accessories enable easy installation as well as quick nozzle changeovers.

Standard flat fan nozzles



- Particularly high-energy spray with spray angles of up to 60°
- Parabolic liquid distribution
- Unaffected by transient pressures
- Simple and cost-saving assembling options

Tongue-type nozzles



- Special design in which a solid stream is diverted by a deflector plate
- Powerful, sharply delimited spray
- Shape of the deflector plate determines the spray angle
- Clog resistant due to large free cross-sections

International nozzle code

Flat fan nozzles designations are governed by international standards. The first two digits specify the spray angle in degrees, the others the flow rate in US gallons per minute at 40 psi. Our high pressure flat fan nozzles (series 602/608/652/6FH) are specified with this international nozzle code.

Spray angle
in degrees



Flow rate in US gal/min at 40 psi

Conversion: $\text{Value} \cdot 3.22 = \text{flow rate in l/min at 2 bar}$
example: 0.2 gal/min at 40 psi = 0.644 l/min at 2 bar

Good to know

Information on the arrangement of several flat fan nozzles can be found in Chapter “Planning Aids” on Page 255.