

High-performance Dispersing Instrument, IKA®

T 18 basic ULTRA-TURRAX®

Dispersing instrument for volumes of 1 ml to 1.500 ml (H<sub>2</sub>O).  
A wide speed range allows you to work at high circumferential speeds.

- Electronic speed control
- Electronic overload protection
- Quick release button for dispersing element
- With connection for in-line tachometer

Technical data:

|                                        |                    |
|----------------------------------------|--------------------|
| Motor rating input/output:             | 500/300 W          |
| Volume range (H <sub>2</sub> O):       | 1 – 1.500 ml       |
| Speed adjustment:                      | stepless           |
| Speed range:                           | 3.500 – 24.000 rpm |
| Speed display:                         | scale              |
| Dimensions (W × H × D):                | 65 × 240 × 80 mm   |
| Weight:                                | 1.6 kg             |
| Permissible ambient temperature:       | 5 – 40°C           |
| Permissible relative humidity:         | 80%                |
| Protection class acc. to DIN EN 60529: | IP 20              |

| Article                    | Order No.   |
|----------------------------|-------------|
| ① T 18 basic ULTRA-TURRAX® | 10 36 04641 |

Dispersing elements for T 18 basic

Technical data:

|                                   |                 |
|-----------------------------------|-----------------|
| Materials in contact with medium: | PTFE, AISI 316L |
| pH range:                         | 2 – 13          |
| Suitable for solvents:            | yes             |
| Suitable for abrasive substances: | yes             |
| Max. temperature:                 | 180°C           |
| Sterilization methods:            | all methods     |
| Ultimate fineness, suspensions:   | 10 – 50 µm      |
| Ultimate fineness, emulsions:     | 1 – 10 µm       |

| Article                      | S 18 N - 10 G | S 18 N - 19 G |
|------------------------------|---------------|---------------|
| Working range                | ml 1 – 100    | 10 – 1500     |
| Ø stator                     | mm 10         | 19            |
| Ø rotor                      | mm 7.5        | 12.7          |
| Gap between stator and rotor | mm 0.35       | 0.40          |
| Min./max. immersion depth    | mm 25/70      | 35/170        |
| Installed length             | mm 108        | 204           |
| Order No.                    | 10 36 04639   | 10 36 04640   |

Plastic dispersing elements for T 18 basic

Incl. 1 Disposable tube. Plastic materials used approved by FDA.

Technical data:

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Materials in contact with medium: | Polycarbonat (PC), Polysulfon (PSU) |
| Max. temperature:                 | 100°C                               |
| Sterilization methods:            | autoclavable                        |

| Article                   | ② S 18 D - 10 G - KS | ③ S 18 D - 14 G - KS |
|---------------------------|----------------------|----------------------|
| Working range             | ml 10 – 100          | 10 – 500             |
| Ø stator                  | mm 10                | 14                   |
| Ø rotor                   | mm 6.75              | 9.5                  |
| Min./max. immersion depth | mm 15 / 85           | 15 / 85              |
| Installed length          | mm 150               | 150                  |
| Order No.                 | 10 36 04642          | 10 36 04643          |
| PU                        | pc/Pack 10           | 10                   |

