YTRON®-ZHV

High Shear Inline Homogenizer

for emulsification or wet milling

A typical solution for many applications in the field of Food-, Pharmaceutical, Chemical and Cosmetic Industries is the use of a High Pressure Homogenizer. YTRON-ZHV may be a real alternative for your process, offering an important added value.

YTRON-ZHV is designed for peripheral speeds of up to 60 m/s. Several different configurations are available. For instance a simple change of tooling converts the special execution for emulsification of droplets into an efficient wet mill for size reduction in suspensions.

YTRON-ZHV 0 offers the additional benefit of conversion into a high efficiency powder disperser by a simple change of the inlet housing. Typically the benefit is a remarkable increase in both economical and physical efficiency.



In a good number of applications, the effect achievable with YTRON-ZHV significantly exceeds the typical limits of toothed rotor/stator systems.

| Model | Drive Power | Capacity | Fittings |
|-------|--------------------|-------------------|----------|
| ZHV 0 | up to 9 kW | 500 1,800 l/h | DN 25 |
| ZHV 3 | up to 30 kW | 1,500 8,000 l/h | DN 50 |
| ZHV 5 | up to 55 kW | 6,000 20,000 l/h | DN 80 |
| ZHV 7 | up to 110 kW | 10,000 40,000 l/h | DN 100 |

According to the application, special construction deviating from standard are available. We reserve the right to alter the design without previous notice.



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