



Cell Disruption Solutions

TS Series Cabinet

TS Series Cabinets are the ideal pilot production models and are versatile enough to adapt as your needs change.



Power Rating

Flow Rates vs Maximum Pressure

40 KPSI (2700 bar)

30 KPSI (2000 bar)

20 KPSI (1350 bar)

15 KPSI (1000 bar)

2.2 KW

170ml/min

235ml/min

340ml/min

470ml/min

4 KW

400ml/min

550ml/min

800ml/min

1.1L/min



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- Incorporates our unique disruption head, precise hydraulic operating and control system with an automatically supplied, continuous flowing Cell Disrupter
- Disruption pressure easily and accurately set and displayed digitally with a range of 1KPSI through to 40KPSI as standard
- Touch screen control of disruption cycle, automatic shut down when process complete
- Cell Disrupter controls peristaltic process pump for automatic supply of sample. Process pump available on request
- Disruption head mounted in stainless steel tray to avoid spillage
- Partial containment and simple externally controlled CIP
- Internal relief valve fitted for reverse flow of cleaning fluids
- Various flow rates are available depending on desired maximum pressure and power rating, alternative pressure heads available on request
- Pressure consistent and stable during disruption cycle
- Full bio-containment inlet and outlet options available on request
- Materials in contact with sample, 316L stainless steel or equivalent, synthetic sapphire, EPDM, GLFPTFE & PEEK 450G
- IQ/OQ available on request

Temperature Control: Disruption head is surrounded by unique cooling jacket . Bath circulator or chiller is recommended with a flow rate of 3L/min (2.2kW) & 6L/min (4kW). Bath circulator/chiller available on request.

