

## Homogenizers

### Homogenizers, tissue grinders

Tissue grinders are used for the controlled reduction of particle size and homogenisation of a variety of substances, especially biological material. Size reduction / homogenisation are brought about by the shearing forces generated by the movement of a rotating plunger in a precision bore glass vessel. Determining factors include clearance between the plunger head and glass vessel, which on these Homogenisers is 0.15-0.25mm. The speed of the rotation and the viscosity of the medium also play a major role.

\*Volumes stated are working volumes with the plunger head in place.



HM/4200

#### Glass vessels

Cat. No.	Volume, ml	Working dia, mm	Height, mm
HM/42002	2	8	120
HM/42004	5	12	135
HM/42006	10	15	150
HM/42008	15	19	155
HM/42010	30	25	175
HM/42012	50	32	195

Plunger heads manufactured from pure PTFE with a stainless steel, 6.5mm diameter shaft. Serrated plunger heads should be used on tough materials such as tumours. Excessive heat generated by friction should be avoided to prevent the possibility of binding.

#### Plain PTFE plunger heads

Cat. No.	For use with glass vessel ml	Height mm
HM/46702	2	230
HM/46704	5	235
HM/46706	10	270
HM/46708	15	270
HM/46710	30	270
HM/46712	50	270



HM/467

#### Serrated PTFE plunger heads

Cat. No.	For use with glass vessel ml	Height mm
HM/46722	2	230
HM/46724	5	235
HM/46726	10	270
HM/46728	15	270
HM/46730	30	270
HM/46732	50	270

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we can't supply it...

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to get it for you.