

USES :

TOP 160 Autoclaves ensure safe use of pressure for large volumes between 5000 and 10000ml. They can be quickly and easily opened and shut. They are compact, but, because of their weight are delivered as standard on an Aluminium profile chassis. In order to help free the shutter, TOP 160 is also delivered with a system capable of raising or lowering the body. They are also versatile: a TOP 160 head is compatible with many bodies of different volumes.

CAN BE USED FOR :

- Organic and inorganic synthesis at certain pressures.
- Homogeneous, heterogeneous, asymmetrical catalysis.
- Hydrogenation, carbonylation, oxidation.
- Can be used to study polymerisation.

FEATURES :

- Can be used at all pressures between 0 and 250 bar.
- Can be used at all temperatures between -20 and +250°C
- Manual opening/shutting.
- Sealing: O-Ring seal (citon, PFA coated viton, kalrez, silicon, EPDM, PTFE)
- Interchangeable bodies: different bodies, with different volumes can be used on the same head.
- Heating: Heating mantle with protection grille (0/250°C), - or by constant temperature bath with double lagging for low temperatures or precise thermoregulation
- Stirring: External magnetic stirrer or integrated magnetic stirrer (quick and precise due to gas effect).
- Material : 1.4404 (316L) - 1.4571 ti (316 Ti)
Options : - Hastelloy B or C, titanium, Inconel...
- Borosilicate glass body (if $\varnothing A \leq 102$).
- PED 97/23 CE compliant.
- Fittings: 1 M20 x 150 fitting for stirrer and 6 1/4" HP fittings.
- Control box : Stirring speed indication and control, temperature control (PID)
- Safety: Safety valves or rupture disks.
- Chassis: Made from profiled aluminium.
All elements are assembled on the chassis.

• Interior volume is between 5000 and 10 000 ml.

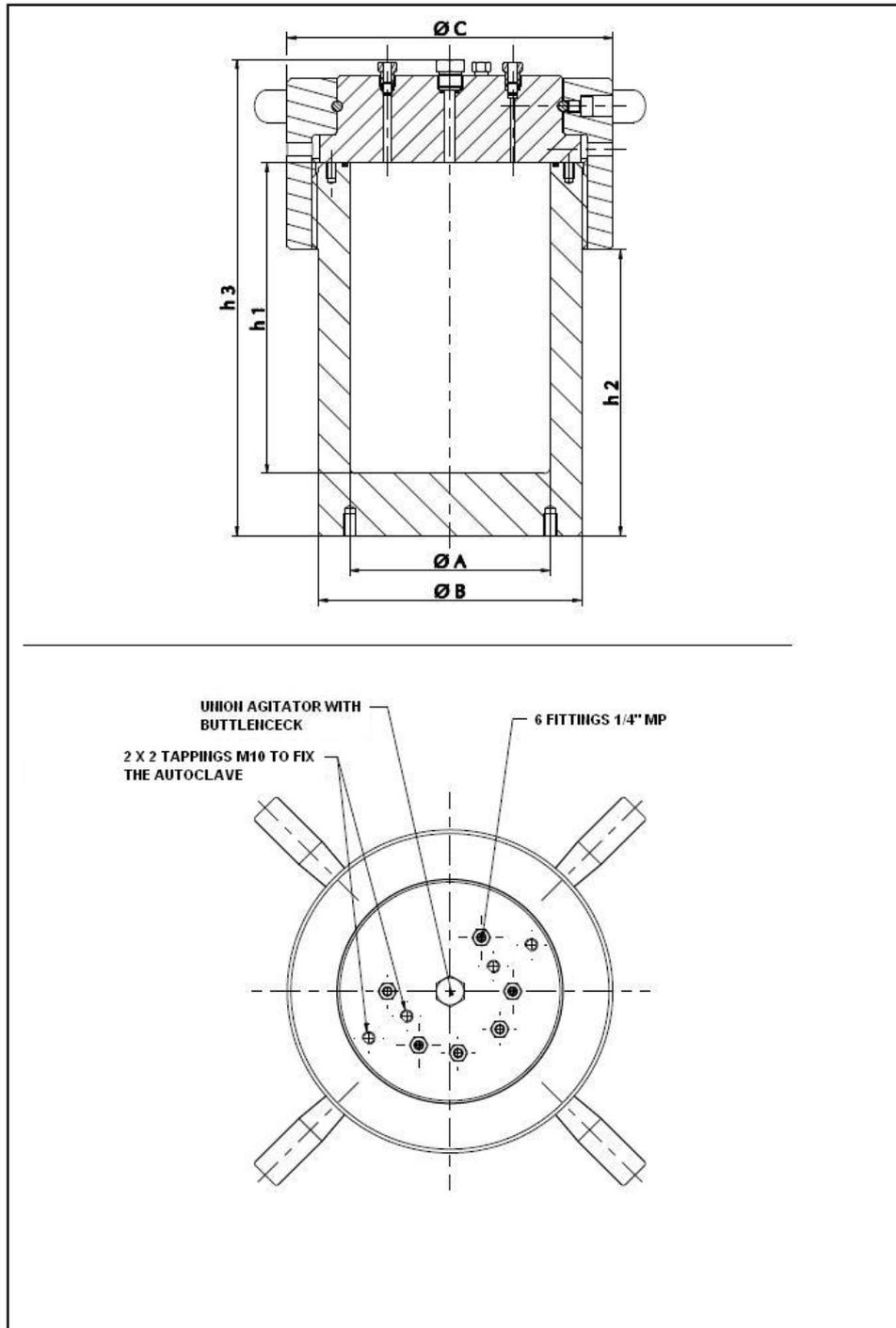
Please Note: Volume of contents must be at most 2/3 of interior volume.

Optimum volume/height ratio: Body height = 1.5 to 2 times interior diameter of body.

• Additional Options

- Lexan protection screen
- Gas mixture system, with volume control.
- Gas consumption measurement.
- Bottom outlet valve for venting and cleansing.
- Internal coil or grooved tank for rapid cooling with cold compressed air
- Optic IR or Raman probes
- Automatic/manual powder/liquid injection system.
- Automatic/manual gas or liquid sampling.
- Gas pressure control, and sampling at constant pressure.
- Condenser or gas/liquid separator.
- Touch-screen control box with data acquisition.
- Sequence planning using Labview, with data acquisition and possibility of exporting to Excel.





REFERENCE	VOLUME (ml)	Ø A (mm)	Ø B (mm)	Ø C (mm)	h1 (mm)	h2 (mm)	h3 (mm)
693 16 SW	5000	158	210	245	255	230	383
693 16 SX	7500	158	210	245	385	365	518
693 16 SY	10000	158	210	245	510	490	643

In view of possible technological advances in our production methods, the products described in this manual are liable to be modified without prior notice.

