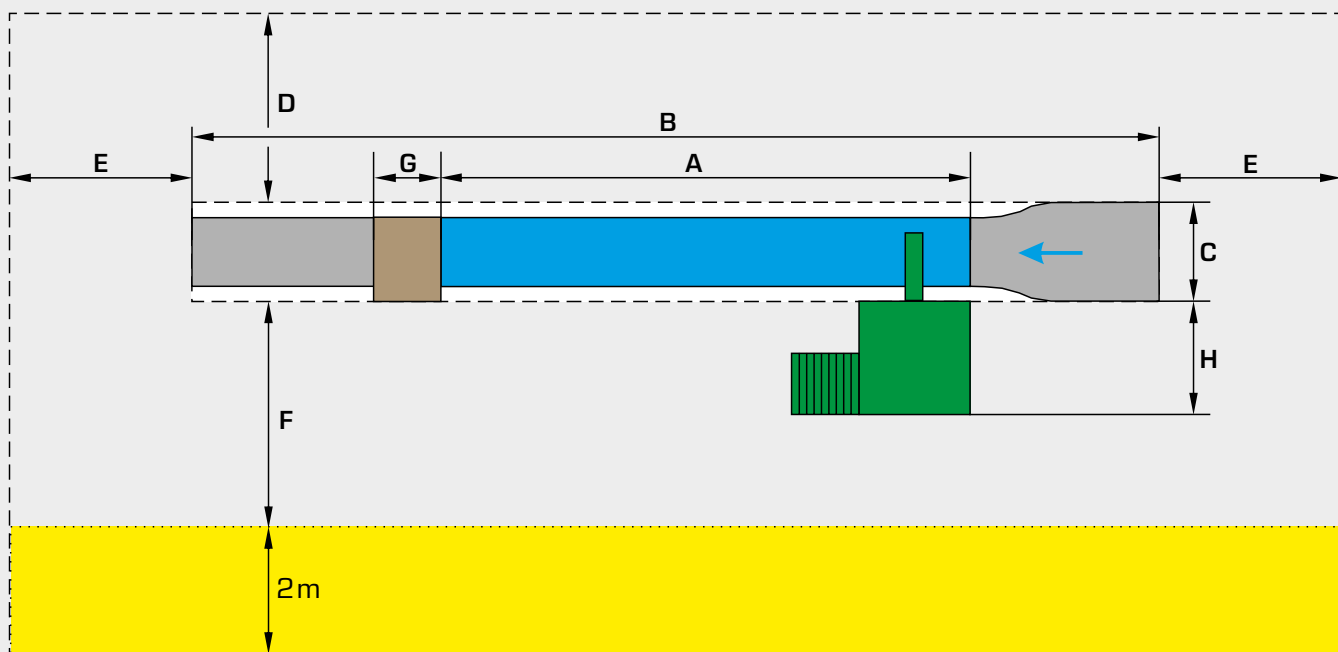


GUNT experimental flumes Laboratory design

The following table lists the space requirements of all GUNT experimental flumes including the water tank.

GUNT will gladly undertake the precise laboratory planning for you to set up the experimental flumes.

A lifting device is recommended when placing larger models in the experimental sections of HM 161.



■ experimental section, ■ sediment trap (HM 16x.72), ■ sediment feeder (with platform (HM 16x.73))
■ additional space required for installation

	A	B (excl. G)	C	C (incl. G)	D	E	F	G	H	Height B (excl. H)	Height B (incl. H)	Required room height
HM 160	2,5m 5,0m	4,3m 6,9m	0,7m		1,0m	1,5m (>1 m)	2,0m			1,35m	1,80m	2,3m
HM 162/ HM 163	5,0m 7,5m 10,0m 12,5m	9,2m 11,7m 13,6m 16,0m	1,0m 1,0m 2,2m 2,2m	2,2m 2,2m 2,2m 2,2m	1,0m	1,5m (>1 m)	2,5m	1,0m	1,7m	2,20m	2,90m	with sediment feeder: min. 4,5m
HM 161	16,0m	22,0m	4,0m	4,0m	2,0m	1,5m (>1 m)	1,0m	1,0m	in C incl.	2,70m	3,70m	with sediment feeder: min. 5m

Installation requirements

This section provides some tips for planning a laboratory in which an experimental flume is going to be set up:

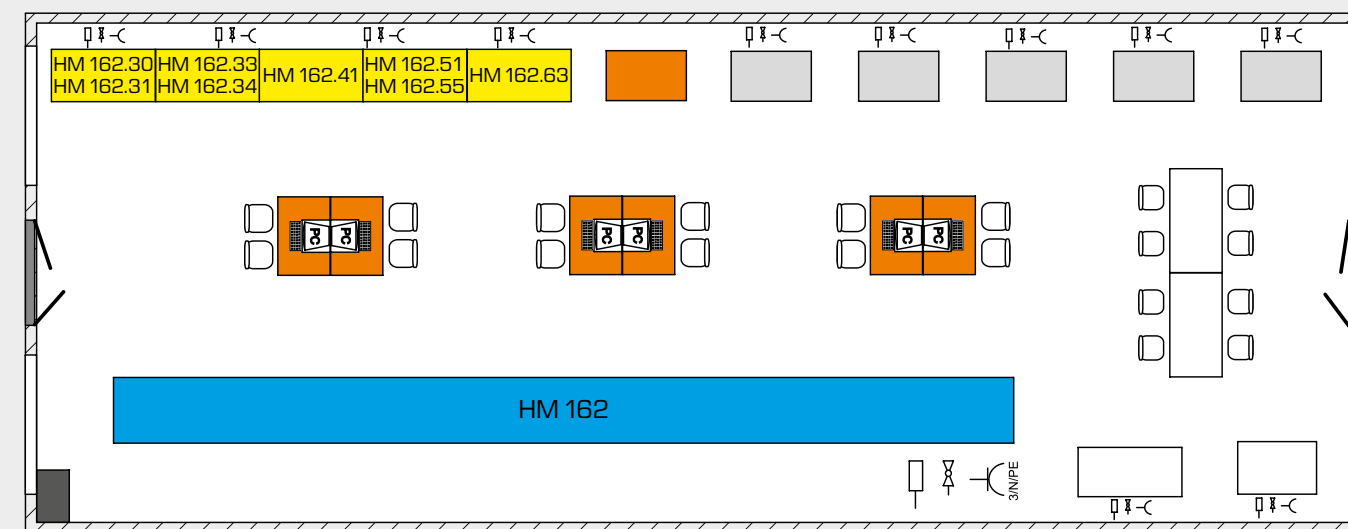
- the laboratory should be on the ground floor
- the floor must have sufficient load capacity
- the floor and the skirting area of the walls should be water-resistant
- the transportation routes to and within the laboratory must be spacious
- the water supply and drains must be big enough for larger amounts of water
- the two larger experimental flumes HM 162, HM 163, and HM 161 require three-phase alternating current

An example of laboratory planning

The drawing below shows the planning for a laboratory that contains the experimental flume HM 162 (10m long experimental section), a few other GUNT units on fluid mechanics and workstations for the students.

In this case the models for HM 162 are stored on tables.

A small cabinet in the corner contains tools and can be used to store instruction manuals.



Dimensions of the laboratory, L x W x H: 20,00 x 7,60 x 4,00 m

- water drain
- water supply
- power supply 230V, 50Hz, 1 phase
- power supply 400V, 50Hz, 3 phases

- HM 162 with 10m experimental section, 13,60 x 1,00 m
- table for storing models for HM 162, 160 x 80 cm
- table, 120 x 80 cm
- base module HM 150, 120 x 76 cm, with different modules
- cabinet