



- [Description](#)
- [Flow Rates](#)
- [Dimensions](#)
- [Functions](#)
- [Fluids and materials](#)
- [Ordering](#)

## The HC3 - C miniBOOSTER



**HC3 versions:** 11 different intensification factors

**P<sub>IN</sub>:** 20 – 200 bar (inlet pressure)

**P<sub>H</sub>:** 500 bar maximum (outlet pressure)

**P<sub>RETURN</sub>:** As low as possible (Return pressure to tank)

**Intensification ratios:**  $P_H = (P_{IN} - P_{Return}) \cdot i$   
(Intensification)

**Mounting:** NG6 (D03) stacking manifold system

**A model** = no dump valve

**G model** = direct proportionally controlled

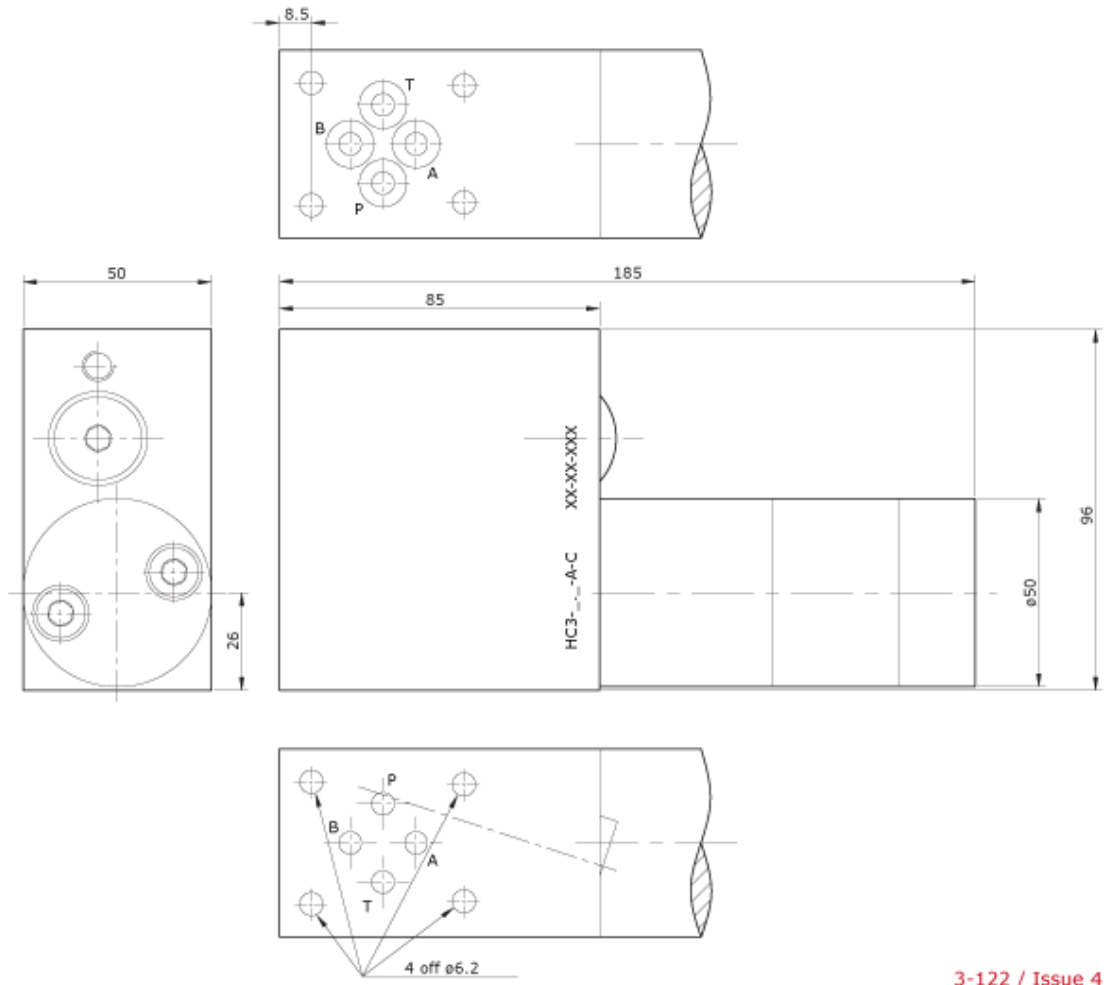
### ▲ Description of the HC3 - C miniBOOSTER hydraulic intensifier

The HC3 - C, a variant of the HC3, for applications with larger flow rates, providing a fast response with build in by-pass up to 50 l/min. It is a compact unit weighing only 4.0 kg, designed for use in NG6 (D03) stacking manifold systems. Maximum outlet pressure is 350 bar in standard versions. An adjustment of the outlet pressure is carried out by varying the supplied pressure.

### ▲ Flow Rates

Intensification factor <i>i</i>	Max. outlet flow l/min	Max. inlet flow l/min
1.2	1.2	8.0
1.5	1.0	8.0
2.0	2.0	12.0
2.8	2.2	13.0
3.2	2.5	15.0
4.0	2.0	14.0
5.0	1.6	14.0
6.6	1.3	13.0
9.0	0.9	13.0
13.0	0.6	12.0
20.0	0.3	12.0

▲ Dimensions





▲ **Fluids and materials**

Please see [General Specifications](#).

▲ **Ordering a HC3 - C**

Ordering example of a HC3 - C with  $i = 4.0$



<b>Model</b>	<b>Intensification, <math>i</math></b>	<b>Dump Valve</b>	<b>Model</b>
HC3	your selection...	your selection...	C
	see <a href="#">flow rate table</a>	A = (no) / <a href="#">A model</a>	
		G = (proportional) / <a href="#">G model</a>	