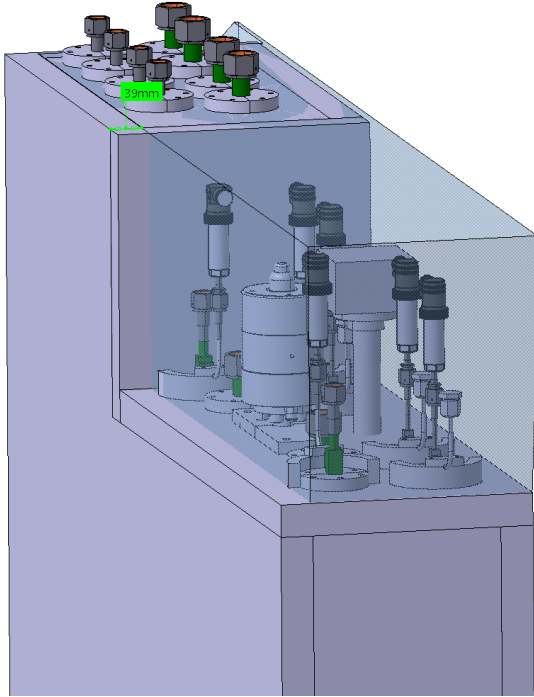


# Update on Junction Box Design

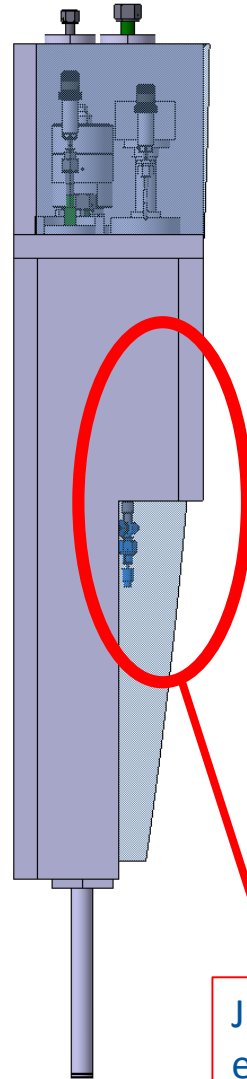
Edyta Pilorz  
(Cracow University of Technology)



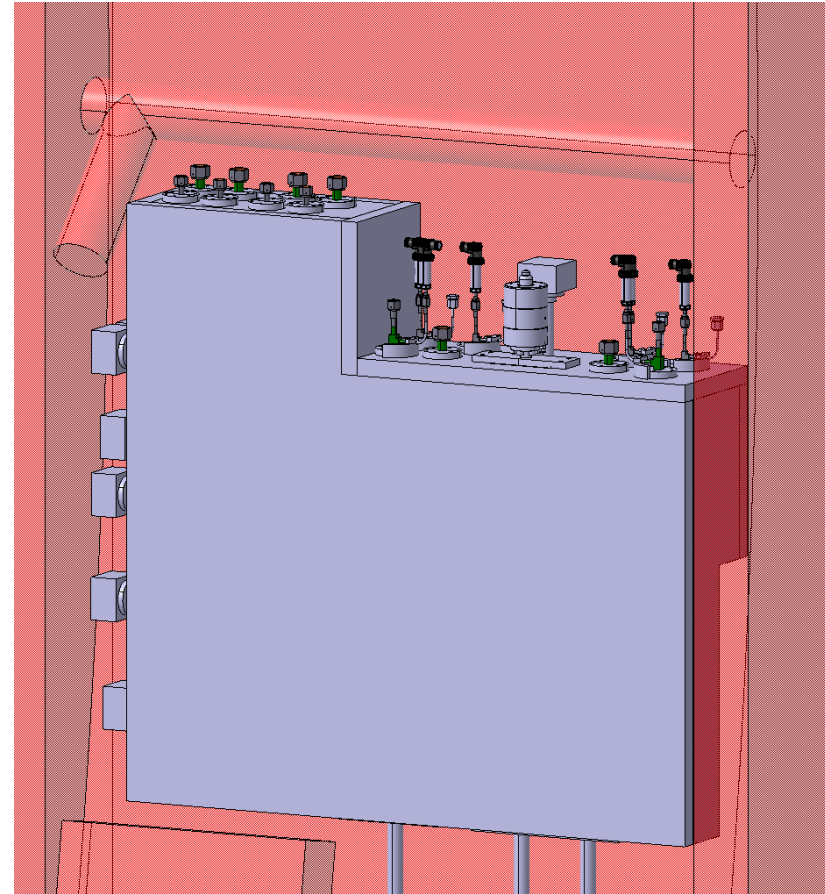
# External shape of the cover



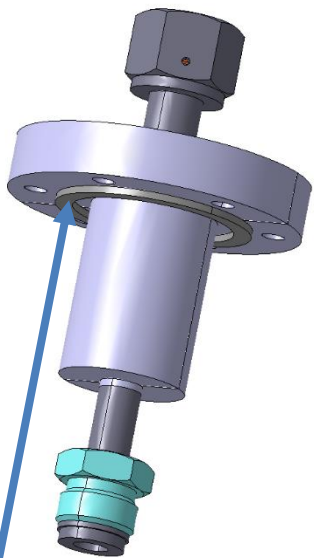
For the time being JB sticks out 39 mm from the envelope in the front, which is the thickness of the cover



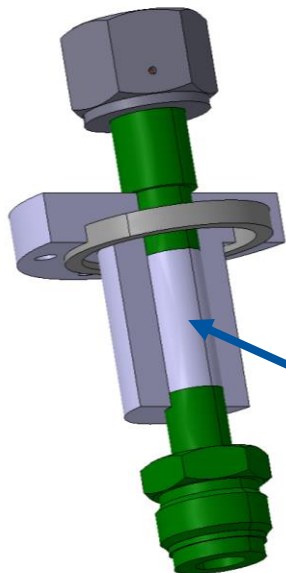
JB sticks out from the envelope in the back, can be corrected when all the models received



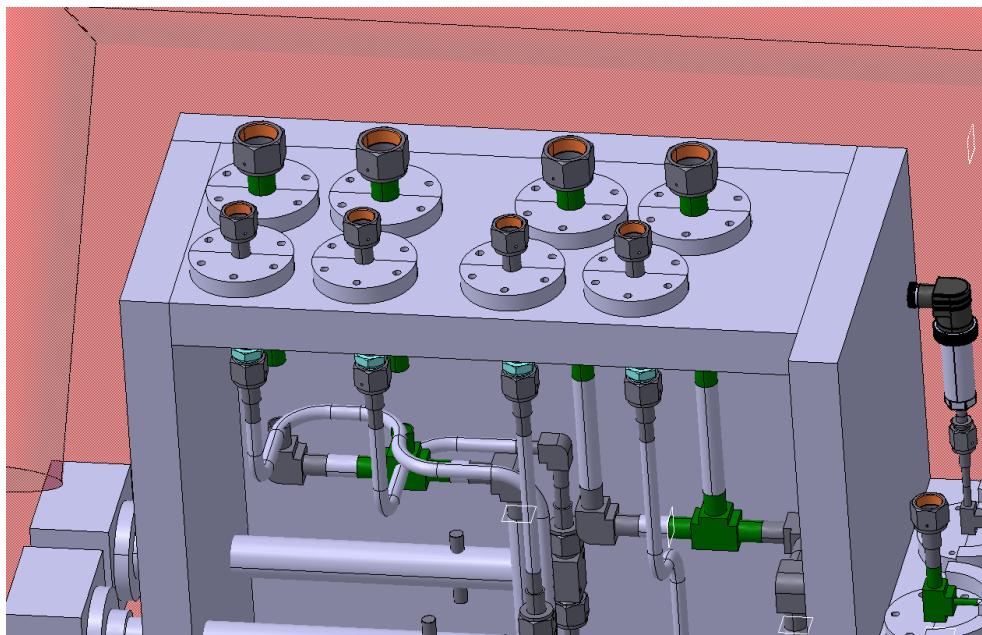
# Design of terminals for 12 mm and 18 mm pipes



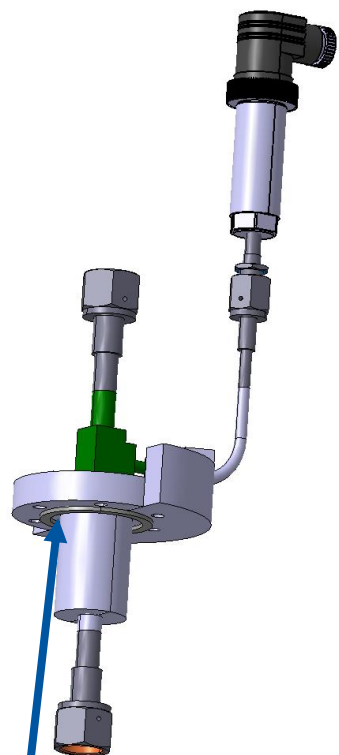
The rubber gasket to prevent leaks



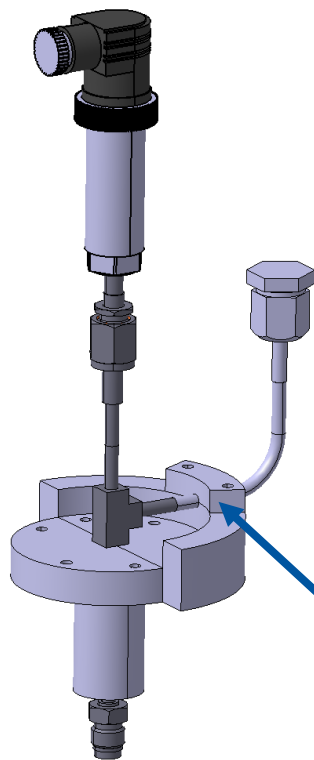
The length of the tube is adapted to meet with the components inside the box



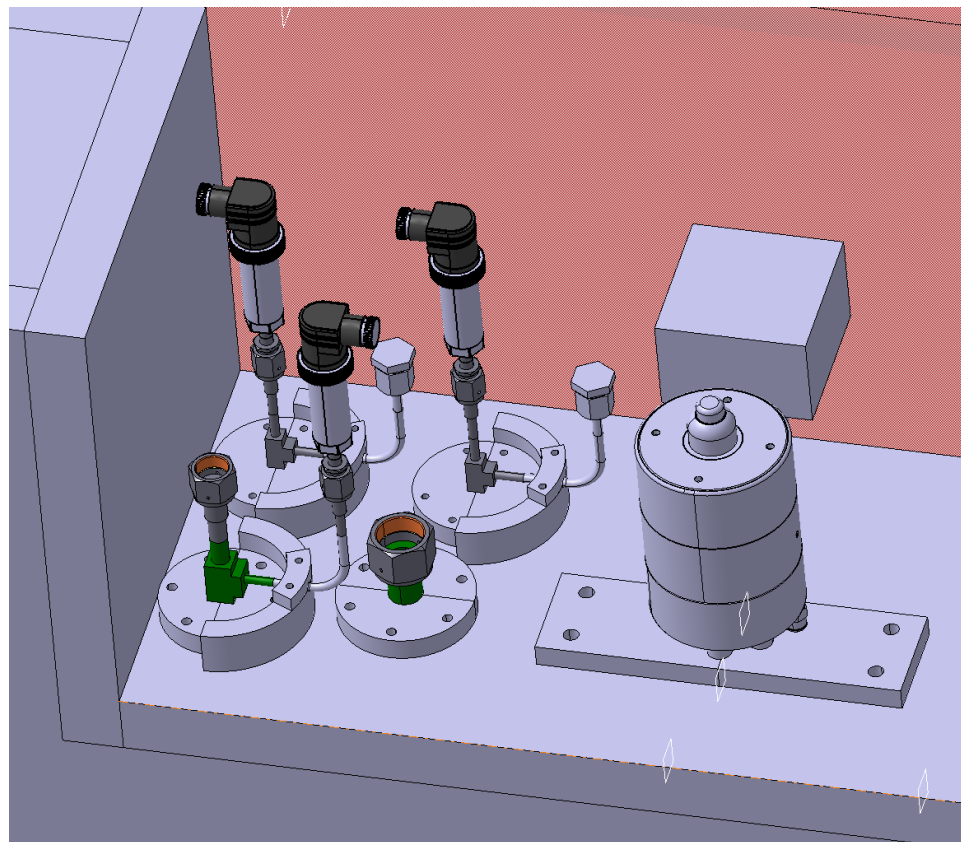
# Design of terminals for 12 mm with the pressure sensors and 6 mm pipe



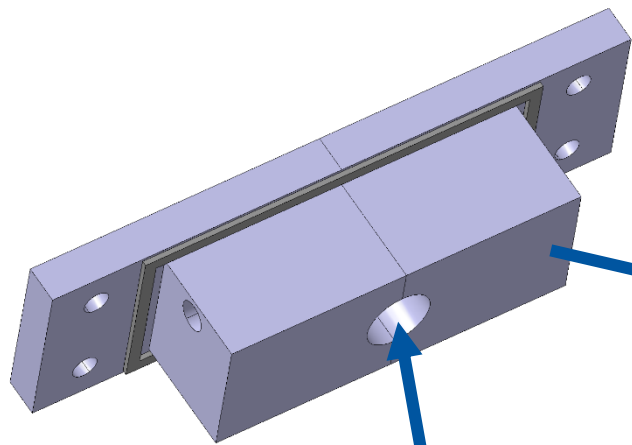
The rubber gasket to prevent leaks



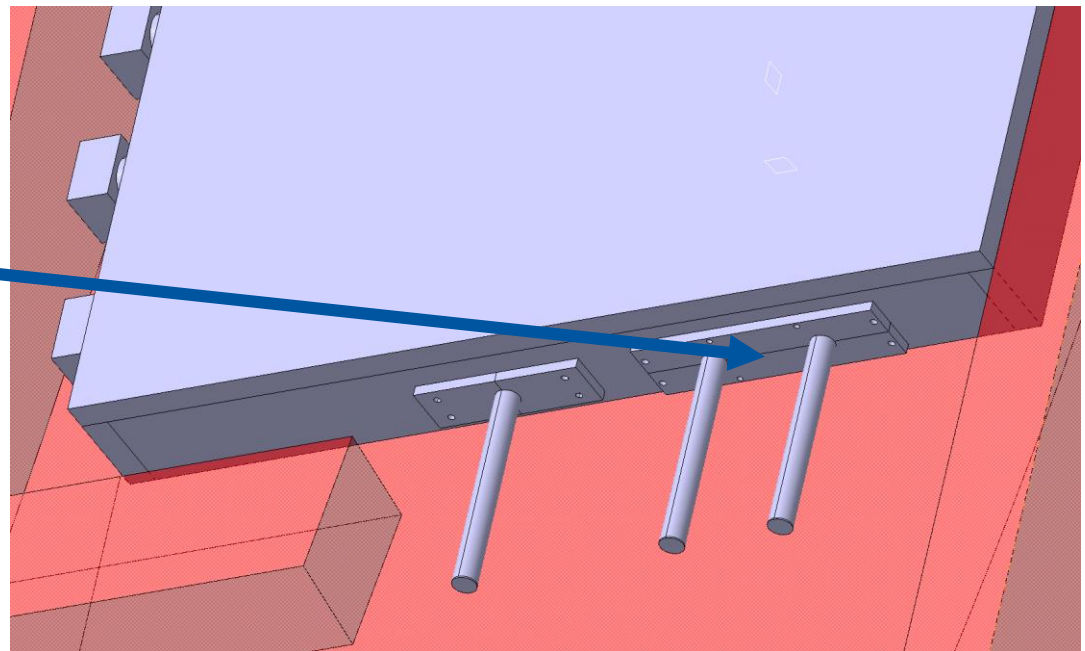
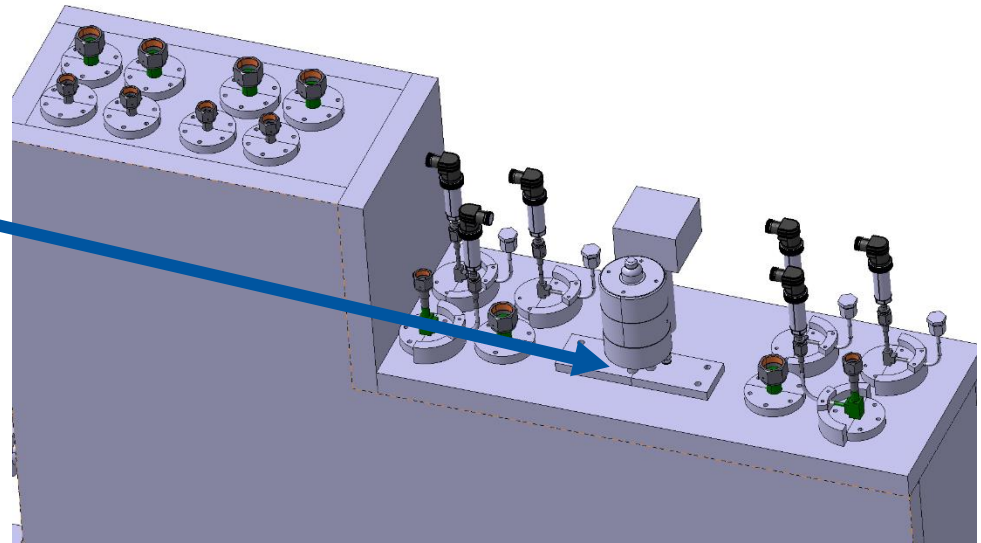
Clamps which holds the bended pipe



# Design of terminals for HP9012 valve and the heaters



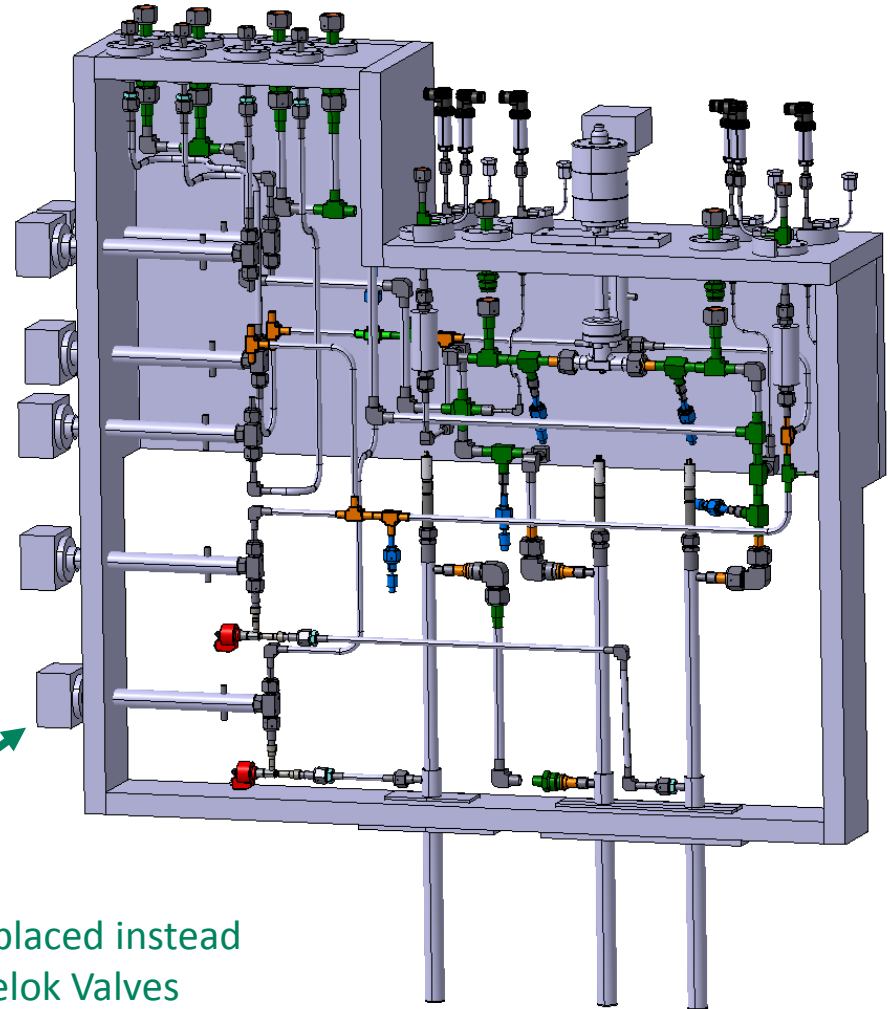
The hole to clamp the valve



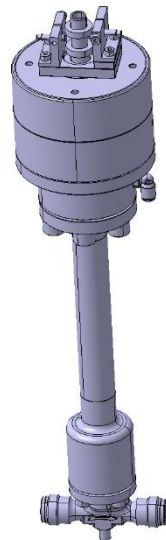
The threaded hole to connect two halves of the terminal

# Still to be done

1. Swagelok valves to be replaced with HP9008 – waiting for the 3D model (Update: Valves received 09.11.2016 )
2. Routing of the pipes is optimised as much as it could be with the status of the components I have right now; can change after receiving the HP 9008
3. Finalize the design of the cover
4. Designing the mounting solution – not started yet



**HP 9008  
Rotarex Valve**



To be replaced instead  
of Swagelok Valves

Thank you for your attention!