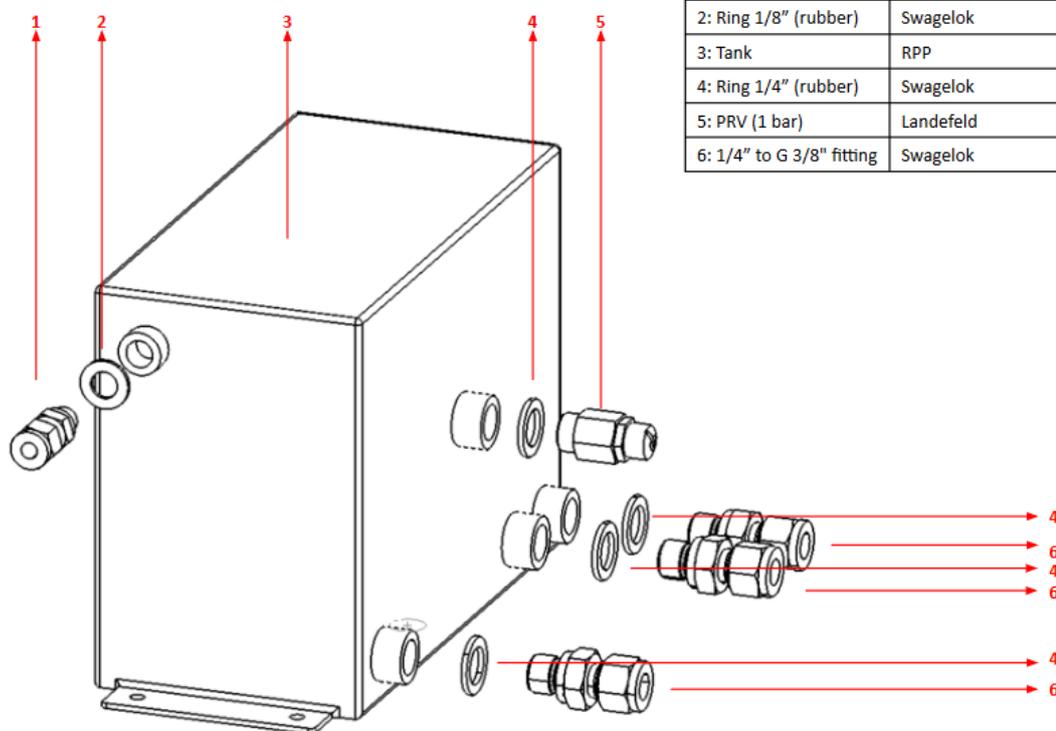


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TITLE: SUB-ASSEMBLY #3 – Mixing chamber & PRV

Revision	Date	Modifications	Author
V1.0	07-04-2020	Setup first version	Tessa Kos
V1.1	13-04-2020	Figures and elaboration	Jeroen Roest/ Bart Spel
V1.2	16-04-2020	Overview of materials	Jeroen Roest/ Bart Spel
V1.3	27-04-2020	Translation Dutch → English	Jim Smit

In this sub-assembly the mixing chamber with its connections will be described, thereby the pressure relief valve will be connected on this system. Please note: not all pressure relief valves are already calibrated to 1 bar! This has to be measured before the pressure relief valve is used and assembled. For the Swagelok components used every step, the product name is mentioned to ensure the right component is used.

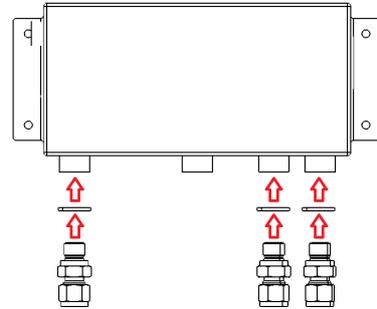


part	supplier	quantity
1: 1/8" to 6 mm fitting	Swagelok	1
2: Ring 1/8" (rubber)	Swagelok	1
3: Tank	RPP	1
4: Ring 1/4" (rubber)	Swagelok	4
5: PRV (1 bar)	Landefeld	1
6: 1/4" to G 3/8" fitting	Swagelok	3

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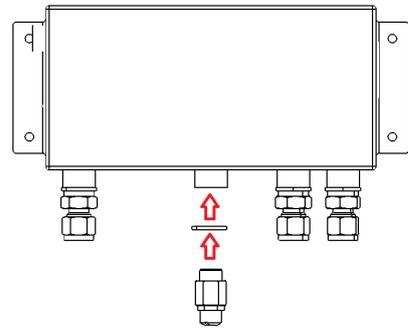
TITLE: SUB-ASSEMBLY #3 – Mixing chamber & PRV

1.
 - The mixing chamber contains 5 openings. 4 of these are sized G ¼ “ , the remaining one is sized G ⅛”.
 - On locations 1-3, a G ¼” to ⅜” fitting needs to be attached (Figure 1).
 - Therefore, a rubber gasket needs to be placed between the connections (¼ “)
 - G 1/4" to 3/8": SS-600-1-4RS.
 - 1/4" rubber gasket: SS-4-RS-2V.



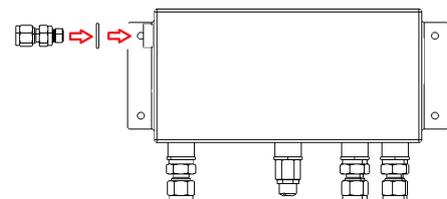
(1)

2.
 - In the opening at location 4 (Figure 2), a pressure relief valve (calibrated to 1 bar) needs to be attached.
 - The attachment to the bottom plate needs to be done at the **end** of the assembly line.
 - Therefore, a rubber gasket needs to be placed between the connections (¼”).
 - 1/4" rubber gasket: SS-4-RS-2V.



(2)

3.
 - At location 5, a G1/8” to 6mm fitting needs to be attached (Figure 3).
 - Therefore, a rubber gasket needs to be placed between the connections (⅛”).
 - G 1/8" to 6 mm: SS-6M0-1-2RS.
 - 1/8" rubber gasket: SS-2-RS-2V.



(3)

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If the assembling is done correctly, the result should correspond with the figures below.

