



AUTEXIER

**MANUFACTURER OF INDUSTRIAL MARINE AND OIL & GAS VALVES
IN BRONZE AND ALUMINIUM-BRONZE**

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Instructions of assembly and maintenance for Y strainers



116, AU116, 118 and AU118

I) Checking at the delivery

Check at receipt that the packaging has not been damaged, that the delivered strainer is in accordance with your order and that the material is not damaged.

II) Storage

The strainers can reach the site several months before commissioning. Performance may be degraded if special care is not taken in their storage and protection.

It is recommended to store the strainers in a clean, closed site, protected from weather and projections of sand, dust and other solid particles. Leave them as much as possible in their original packaging. The plugs, protections threads, plastic envelopes, will be removed only when they are install. Avoid impacts on the sealing surfaces of the flanges and threads.

III) Assembly of the strainer

- 1) The strainers must be handled with particular care. The sealing surfaces of the strainer plug and seat are finely machined to obtain the required tightness. Prevent the ingress of foreign bodies in the strainer during installation and operation.
- 2) The direction of fluid flow must correspond to the arrow on the *body 1*. The mounting is preferably carried out with the orifices of the *body 1* to the horizontal, and the *cover 2* facing downwards. It is necessary to provide sufficient clearance for the eventual removal of the *sieve 72* (for cleaning). Never mount the filter with the *cover 2* facing up, except in the case of vertical pipes to flow from bottom to top. Therefore, impurities are not collected in the *sieve 72* or removed through the drain system, but are still retained efficiently. Avoid a discharge rate through a non-return or other similar facility valve.
- 3) Fit the valve in respect of the flow direction of the fluid represented by the arrow engraved on the *body 1*.
- 4) During assembly or maintenance, if the valve is located in an explosive area, use a material in accordance with the explosive classification of this area, without insulating it electrically from the rest of the system to avoid any electrostatic phenomenon.

IV) Instructions

- 1) It is strictly forbidden to neutralize the mechanism of the strainer.
- 2) Any foreign body should block the openings of the strainer. Do not let any viscous fluids or fluids that can leave residue by drying penetrate inside the strainer, which would cause a flow jam or block the mechanism.
- 3) The strainer should be installed in a place where there is no risk of shock or water hammer which could damage its working.



- 4) Insulate the equipment if the temperature of contact requires it (for staff in case of explosive atmosphere in or out of the equipment), and allow only the access to the approved staff. For the equipment, it is imperative to stay in a beach temperature indicated on the identification plate or failing on the product data sheet.
- 5) It is imperative to respect the defined conditions announced by our staff (pressure, temperature, and fluid). Do not use corrosive fluids or fluids likely to provoke a significant wear, no unstable fluid with risky decomposition; do not use several fluids which could react altogether or release derivatives leading to an explosive atmosphere and no viscous fluids likely to solidify at one moment or another.
- 6) Limit as much as possible the tensions due to failure alignments of the piping connections system.
- 7) It is necessary to eliminate any previous and post pressure before removing the strainer and be sure not to create an explosive inside or outside the valve. The staff operating the setting up of the valve will be trained to perform this operation and will wear all necessary protections linked to the carried fluid.
- 8) Do not let the mechanism in intermediate position for a long time to avoid any phenomenon of cavitation and/or erosion.
- 9) Do not modify the documents furnished by AUTEXIER (instructions, metal plates, certificates etc.).

CAUTION: AUTEXIER is not anymore responsible of the good working of the strainer if this one has been dismantled or modified by a person not approved by AUTEXIER.

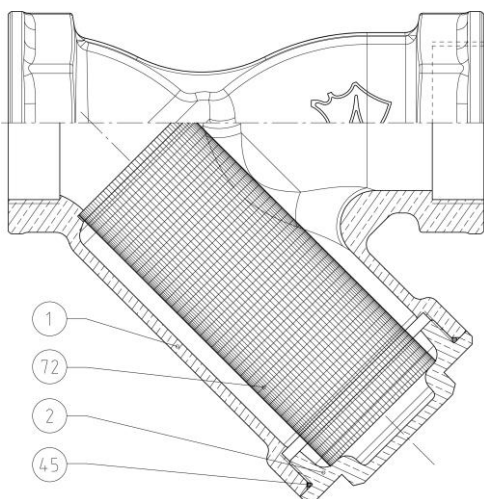
V) Operating / Maintenance

- 1) It is imperative to keep the strainer clean and ready to operate. It is necessary to check regularly that any foreign body will jam the piping and any particles and impurities will endanger the system.
- 2) We must ensure the good condition of the *sieve 72* by removing it regularly. For this remove the *cover 2* after removing *screws 38* (Réf.118). Clean or change the *sieve 72*, change the *O-ring 45* or *45a* if necessary, then replace the *sieve 72* in the *cover 2* and back *cover 2* and *screws 38* with *washers 41* (Réf.118). This maintenance should be carried out by qualified and authorized personnel. This winding dismantling operation is the only one authorized by AUTEXIER in the conditions that this filling is provided by us, that the handling of the material is made at room temperature, the operator makes use of equipment that complies with the classification of area in which it operates (explosive risk), and that he is well assured that the installation was properly purged beforehand, without creating an explosive atmosphere during operation.

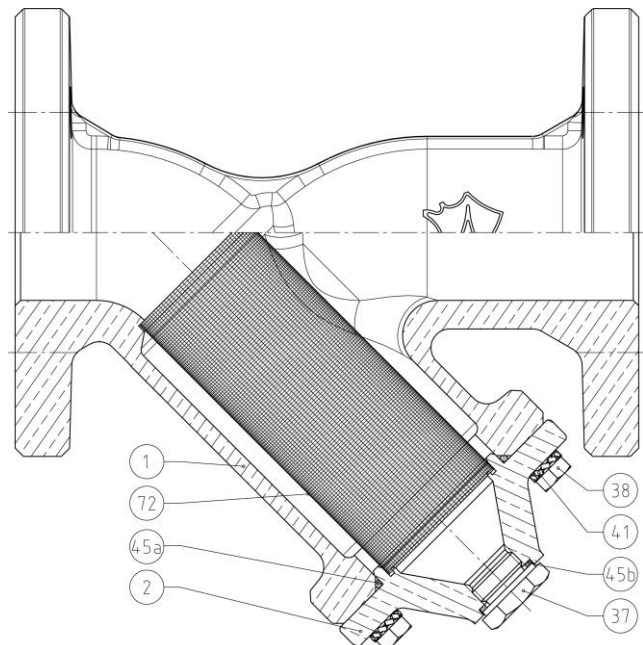
VI) Guarantee

All our products are guaranteed during twelve months from the delivery against any defect of material or manufacturing, when the conditions of use are respected: this guarantee is limited to the replacement or to the repair by our company of the defective recognized parts. We decline all responsibility in case of non respect with our instructions.

Ref. 116 / AU116



Ref. 118 / AU118





VII) Marking

After being tested and adjusted, each strainer is sealed by AUTEXIER. If another agency makes a mark by punching the strainer must not be damaged. Poorly executed, deformations could make tap fugitive, or inoperative. Punching of thin walls is prohibited.

Strainers are identified by a plate with the following information:

- The date of shipment
- Specifications:
 - 1 - Designation: Reference of strainer
 - 2 - Number of the linked document and number of declaration of conformity to directive 2014/68/EU
 - 3 - Inlet nominal diameter and outlet nominal diameter
 - 4 - Maximum conditions of use
 - 5 - Envelope pressure test
 - 6 - Safety pressure
 - 7 - Set pressure (xx for this product)
 - 8 - Group of fluid G for Gas / L for Liquid or S for Steam
- If requirement, **CE** marking with number of identifying the notified body 0094 (LRQA)

 AUTEXIER <small>FABRICANT EN ROBINETTERIE INDUSTRIELLE 93 RUE LOUIS BLANC / 02300 CHAUNY FRANCE / + 33 (0)3 23 52 02 86</small>		<i>jj/mm/aa :</i>	
<i>Désignation :</i> 1		<i>N° Doc. :</i> 2	<i>Dcl :</i> 2
○	<i>Entrée (Inlet) : DN</i> 3	<i>Sortie (Outlet) : DN</i> 3	
	<i>PN (NP) : 4 Bar</i>	<i>TS (Mini./Max.) :</i> 4	°C
<i>Pression d'essais (Test pressure) PT :</i> 5 Bar			 0094
<i>Pression maximale admissible (Safety pressure) PS :</i> 6 Bar			
<i>Pression de tarage (Set pressure) PDO :</i> 7 Bar			
<i>Groupe de fluide (Group of fluid) :</i> 1 → 8			

It is imperative to respect the conditions of use stated on the rating plate (pressure, temperature, and fluid) under penalty of equipment damage and void the warranty.

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