

# Cleaning of Micro-Gap<sup>®</sup> Homogenizing Valve Assembly

Due to the critical clearances and need for thorough cleaning on the Micro-Gap<sup>®</sup> valve assembly, these instructions are intended to supplement those in our Operation and Service Manual.

1. At the completion of processing, thoroughly flush the system with hot water.
2. For c.i.p. it is required that the homogenizer be running throughout the cycle...DO NOT PULSE.
3. Be sure the c.i.p. jumper returns downstream of the flow restrictor, or insufficient flow will result.
4. Be sure the HVA pump is shut off during c.i.p. Homogenizer pressure is not necessary for cleaning purposes.
5. The suggested sequence is:
  - a. 20 to 30 minutes with 1/2% caustic at 160 to 180°F.;
  - b. 15 to 20 minutes flush with water at 160 to 180°F.;
  - c. 20 to 30 minutes with acid (pH2) at 160 to 180°F.;
  - d. flush thoroughly with hot water after acid;
  - e. sanitize on start-up (100 ppm chlorine).

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.apv.com](http://www.apv.com).

SPX reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Certified drawings are available upon request.