



Henco Pro-Flow Manifold

Product Information & Processing Instructions

Description of the system

The Henco Pro-Flow Manifold is designed for quick, easy, and tool-free installation. The system consists of modular synthetic distributors with integrated, self-aligning ball valves. By combining modules with 2 or 3 outlets, up to 12 individually shut-off groups can be constructed.

Applications

- Hot and cold drinking water
- Heating
- Cooling circuit water with glycol

Key features and benefits

- Self-aligning and modular design
- Modules available as:
 - VKEK-V-1PO → 2 groups, up/down
 - VKEK-V-2P → 2 groups, down
 - VKEK-V-3P → 3 groups, down
 - Can be combined up to a maximum of 12 groups
- Tool-free installation
- 100% corrosion-free synthetic housing → reduced risk of condensation
- Compact design
- Levers in four colors (red, blue, green, black) for marking
- Improved system balance
- Individually lockable groups
- Fully compatible with all Henco fittings and piping systems
- Supply diameters: 20 mm, 26 mm, and 32 mm
- Group connections: 3/4" Eurocone
- Compatible with synthetic press fittings, brass press fittings, and synthetic push-fit fittings. Not compatible with brass Eurocone screw fittings.

Business parameters

- Maximum operating pressure: 10 bar
- Maximum operating temperature: 95°C

Quality & certification Henco Industries N.V. has a certified quality management system in accordance with EN ISO 9001 and ISO 14001. Henco Pro-Flow manifolds have been tested and certified for drinking water, hot and cold water, heating, and cooling systems. Pipe compatibility suitable for Henco multilayer pipes in combination with the correct fittings for supply, transfer, and outlets.

Operation of the taps

- Torque of the tap: maximum 5 Nm.
- The tap is opened and closed using a click mechanism in the system.
- Operate the tap without applying excessive force or using tools to avoid damage.

Processing instructions

Henco Pro-Flow Manifold

1. Preparation

- 1 Choose a stable, flat surface with sufficient working space.
- 2 Determine the final position of the distributor (free access to ball valves and outlets).
- 3 Official Henco Pro-Flow mounting brackets or clips are mandatory: mark the heart height and alignment in advance.
- 4 Please note: Henco Pro-Flow modules are self-aligning and can be installed without tools. The click/screw thread mechanism automatically ensures correct alignment.

2. Assemble distributor

- 1 Start with the first module (VKEK-V-3P or VKEK-V-2P).
- 2 Screw the next module hand-tight into the previous module. Repeat until all groups are connected.
- 3 Check that the module transitions are flat and neatly aligned (this happens automatically).
- 4 Immediately seal unused connections with:
 - ⊙ VK-ENDCAP-M → screw-in end stop
 - ⊙ ENDCAP-EK05-BLACK → ¾" Eurocone end cap
 - ⊙ VK-ENDCAP-F → sealing cap

3. Only use the official Henco Pro-Flow mounting brackets or Henco Pro-Flow clips.

- 1 Place the bracket in the marked position and check that it is level.
- 2 Secure with suitable plugs and screws (depending on the surface: brickwork, plaster, concrete, etc.).
- 3 Mount the bracket without applying any tension.
- 4 Only now click the fully assembled manifold into the bracket.

4. Connecting the supply

- 1 Select the supply side (left or right).
- 2 Only use the correct Henco Pro-Flow connection fittings with built-in stop:
 - ⊙ VKPK → straight supply fitting
 - ⊙ VKPK90-D → 90° downward supply
 - ⊙ VKPK90-U → 90° upward supply
 - ⊙ VDSK → threaded plug-in coupling
 - ⊙ VKEK-V-1PO → 2 groups, upward/downward
 - ⊙ VKEK-T05 → T-piece
- 3 Connect the riser pipe/main supply (20 mm, 26 mm or 32 mm, depending on the project).

5. Connecting group outputs

- 1 For each ¾" Eurocone outlet, use one of the approved couplings:
 - 19PK synthetic with swivel and Eurocone (EKO5 tool recommended for simplified installation and connection, tightening torque is 5–10 Nm)
 - 19P brass press coupling with swivel and Eurocone
 - 119SK plug-in coupling with Eurocone
 - 33P 90° brass press coupling with swivel and Eurocone
- 2 Route all pipes tension-free and provide clamp brackets for support where possible.