

Chapter 5

KAPTIV[®]-CS-HP

High pressure electronic zero air loss condensate drain

The KAPTIV-CS-HP (up to 50 bar) removes all types of condensate from compressed air systems up to 100 m³/min. without the loss of compressed air.

PRODUCT FEATURES

The KAPTIV-CS-HP is a compact electronic zero air loss condensate drain for applications up to 50 bar.

The KAPTIV-CS-HP is effective and offers a rapid pay-back period due to a competitive pricing level, low stocking cost, zero air-loss and energy saving aspects.

The KAPTIV-CS-HP can be installed in all compressed air system components up to 100 m³/min. regardless size and climate zone – only 1 model needed!

The robust industrial housing, the alarm feature and the 2/2 way direct acting valve assembly make the KAPTIV-CS-HP a reliable solution for all compressed air system applications.

The KAPTIV-CS-HP offers an integrated mesh strainer (to prevent large particles from entering the valve orifice), is easy to disassemble and is service friendly.



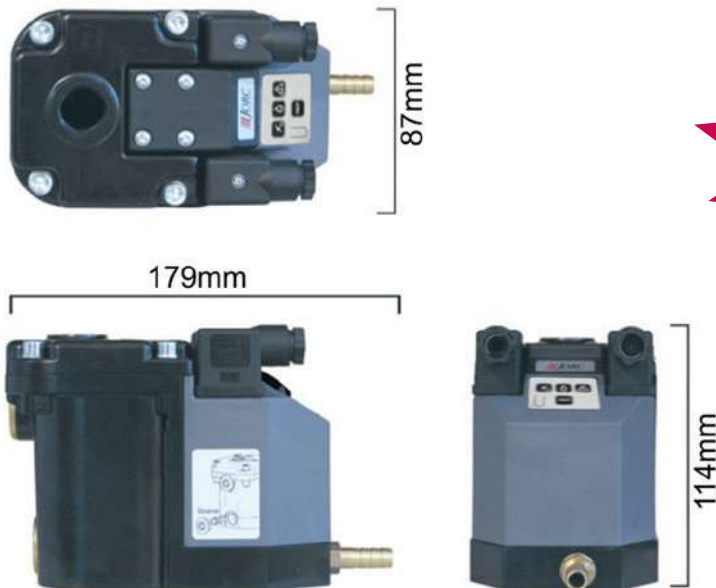
COMMERCIAL BENEFITS

- Competitive compact zero air loss draining solution
- Zero air loss technology saves air, energy and money
- Rapid pay-back period due to competitive pricing level and reduced stocking costs
- 1 model covers up to 100 m³/min. compressor capacity
- No sizing charts required
- Consult JORC for private labelling options

TECHNICAL ADVANTAGES

- Alarm function (N/O or N/C) standard incorporated
- Successful draining of condensate due to large orifice (also heavily emulsified condensate)
- Easy installation and visual display of operating status
- Integrated mesh strainer
- Direct acting valve assembly, ensuring reliable discharge operation
- Robust corrosion resistant aluminium housing

PRODUCT DIMENSIONS



**High pressure
up to 50 bar**

PRODUCT SPECIFICATIONS

| | |
|----------------------------------|--|
| Max. compressor capacity | 100 m ³ /min. (3500 CFM) |
| Max. drainage capacity | 120 litres condensate per hour at 50 bar |
| Min./max. system pressure | 0 bar / 50 bar (up to 725 PSI) |
| Min./max. medium temperature | 1 - 50°C |
| Min./max. ambient temperature | 1 - 50°C |
| Supply voltage options | 230VAC / 115VAC / 24VAC / 24VDC |
| Environmental protection | IP 65 (NEMA 4) |
| Connector type (power and alarm) | DIN 43650-B |
| Inlet connections | 1/2" (BSP or NPT) (3 inlet options) |
| Inlet height | 11 cm (top) and 1.5 & 7.5 cm (side) |
| Outlet connection | 1/4" (BSP or NPT) |
| Valve type | 2/2 way, direct acting |
| Valve orifice | 1.8 mm |
| Valve seals | FPM |
| Serviceable valve | Yes |
| Integrated mesh strainer | Yes |
| Housing material | Corrosion resistant aluminium, EP coating |
| TEST feature | Yes |
| Alarm contact options | A1 (Normally Open (N/O)) A2 (Normally Closed (N/C)) |



Multiple (3) inlet options



Integrated mesh strainer protects the valve against large contaminants



Three stage compressor applications can be fitted with the all-in-one solution, covering the various pressure stages – mounted on one bracket.