

45 Series™ Steam Trap

The proprietary 45 series steam trap is designed to efficiently discharge condensate from corrugating rolls, preheater rolls, preconditioner rolls, and hot plates. The 45 series steam trap is able to handle large condensate loads and the thermostatic capsule provides automatic air-venting to ensure rapid warm-up of the rolls and other components.



The Kadant Johnson 45 series steam trap was purposely developed for use in corrugated packaging plants. The proprietary design allows single facers, double backers, and other steam-heated equipment to operate with high efficiency and high heat output. All internals are stainless steel construction to resist corrosion while the housing components are made of ductile iron and forged steel. The 45 series steam trap features a robust rolling-ball shut-off mechanism, a thermostatic capsule for automatic air venting, and is easily accessible after removing the trap body for in-line repair.

Overview



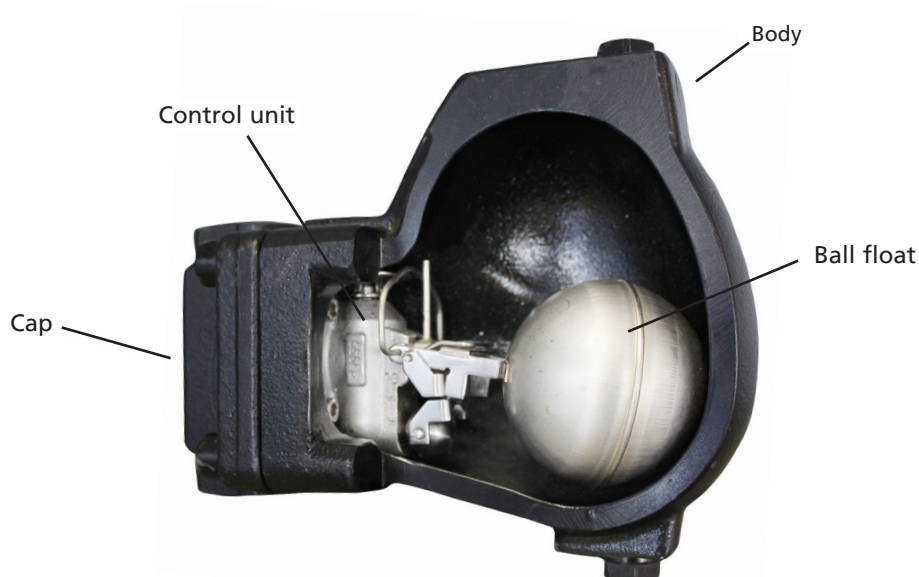
Features

- Proprietary internal by-pass device
- Proven rolling ball shut-off mechanism
- Optimized venting of control unit
- In-line repair, cleaning, and inspection



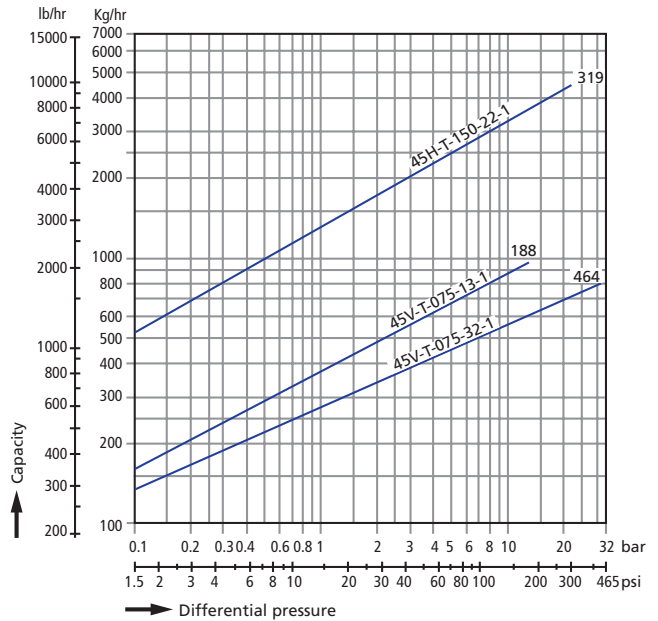
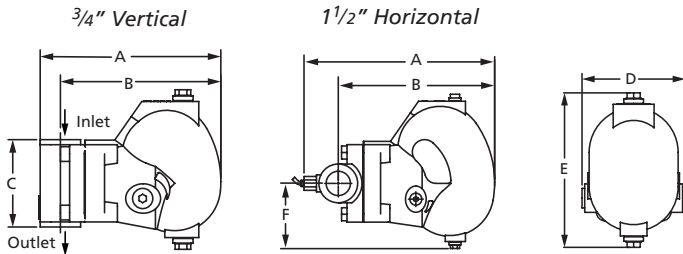
Benefits

- Immediate condensate discharge
- Maximizes efficiency and heat output
- Reliable and durable for extended operating life
- Quick condensate discharge for fast start-up



45 Series Steam Trap

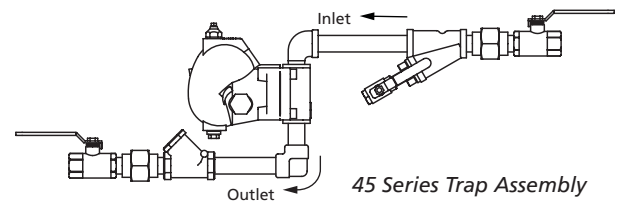
| Size | A | B | C | D | E | F |
|--------|-------|-------|------|------|-------|------|
| 3/4" | 7.74 | 6.87 | 3.74 | 4.57 | 6.83 | - |
| 1 1/2" | 13.75 | 11.28 | 6.50 | 6.93 | 11.13 | 4.70 |



| Size | Model | Inlet & Outlet Orientation | Thread | Psig | Max ΔP (bar) | Max. Capacity (lbs per hour) | Part ID |
|--------|----------------|----------------------------|--------|------|--------------|------------------------------|----------|
| 3/4" | 45V-T-075-13-1 | Vertical | NPT | 188 | 13 | 2250 | 40017825 |
| 3/4" | 45V-T-075-32-1 | Vertical | NPT | 464 | 32 | 1800 | 40017835 |
| 1 1/2" | 45H-T-150-22-1 | Horizontal | NPT | 319 | 22 | 10000 | 40017850 |

Steam Trap Assembly

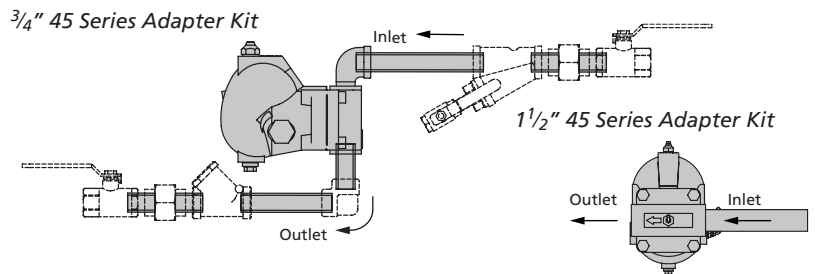
When purchasing a new Kadant Johnson steam trap assembly, please note that it comes with the steam trap, nipples, elbows, check valve, strainer, and isolation valves as shown.



| Size | Model | Inlet & Outlet Orientation | Thread | Psig | Max ΔP (bar) | Max. Capacity (lbs per hour) | Part ID |
|--------|------------------|----------------------------|--------|------|--------------|------------------------------|----------|
| 3/4" | 45V-A-T-075-13-1 | Vertical | NPT | 188 | 13 | 2250 | 40580195 |
| 3/4" | 45V-A-T-075-32-1 | Vertical | NPT | 464 | 32 | 1800 | 40580235 |
| 1 1/2" | 45H-A-T-150-22-1 | Horizontal | NPT | 319 | 22 | 10000 | 40580265 |

Adapter Kits

Adapter kits are available when upgrading a 26E or 26H Donahue steam trap to a 45 series steam trap. The adapter kit includes the steam trap and all fittings shown in the solid lines.



| Size | Model | Inlet & Outlet Orientation | Thread | Psig | Max ΔP (bar) | Max. Capacity (lbs per hour) | Part ID |
|--------|-------------------|----------------------------|--------|------|--------------|------------------------------|----------|
| 3/4" | AK-45V-T-075-13-1 | Vertical | NPT | 188 | 13 | 2250 | 40580185 |
| 3/4" | RK-45V-T-075-32-1 | Vertical | NPT | 464 | 32 | 1800 | 40580225 |
| 1 1/2" | AK-45H-T-150-22-1 | Horizontal | NPT | 319 | 22 | 10000 | 40580255 |

Specifications are for reference only and subject to change.