



Braukmann

NK300S-100, NK300S-100UP

BOILER FEED COMBINATION

SUBMITTAL SHEET

Job Name	
Engineer	
Mechanical Contractor	
Contractor's P.O. No.	
Representative	
Notes	

Model(s)				
	Qty.		Notes	
	Qty.		Notes	
Approval				
Service				
Tag No.				

APPLICATION

The Resideo NK300S Boiler Feed Combination serves as a boiler fill valve used in closed loop heating systems. The NK300S is a (re)filling combination valve that contains an integrated pressure reducing valve, strainer, double check backflow preventer with air vent (to protect potable water supply against back flow of heating water into supply pipe), two shut-off ball valves, pressure gauge, and conveniently located test ports for easy inspections and check out.

SPECIFICATIONS

- Model:** NK300S BOILER FEED COMBINATION
- Model Numbers:** NK300S-100 (includes sweat and threaded connections); NK300S-100UP (includes union press fitting connections)
- Medium:** Water
- Regulator Mechanism:** Fiber-reinforced EPDM diaphragm
- Filter Mechanism:** Stainless steel fine filter mesh
- Inlet Pressure (Maximum):** 150 psi (10.3 bar)
- Inlet Pressure (Min):** 30 psi (2.0 bar)
- Outlet Pressure Range:** 10 psi - 58 psi (0.7 bar - 4.0bar)
- Outlet Pressure:** Factory set at 15 psi (1 bar)
- Pressure setting tolerance:** ± 4 psi.
- Differential:** 14.5 psi minimum (inlet to outlet)
- Fluid Temperature (Maximum):** 180°F (82°C) according ASSE 1081
- Pressure Gauge:** 0-60 psi @ max temp 140°F (60°C)
- Connection size:** 1/2" NPT, Sweat, or Union Press
- Connection size discharge:** 1/2" NPT
- Connection size test ports:** 1/4" NPT
- Installation position:** horizontal pipework with discharge connection directed downwards
- Max. flow rate:** 16 gpm (60 l/min) @ 22 psi (1.5 bar)
- Approvals:** ASSE 1081 Listed

DIMENSIONS

- R (Connection Size):** 1/2" NPT male threaded and sweat tailpieces
- Weight (lbs):** 2.6
- Dimensions:**
 - H: 7.56" (192 mm)
 - H1: 4.53" (115 mm)
 - H2: 4.7" (120 mm)
 - L (Thread connection): 8.74" (222 mm)
 - L (Sweat connection): 7.79" (198 mm)
 - L (Press connection): 8.74" (222 mm)
 - L1: 6.3" (160 mm)
 - L2: 2.3" (58 mm)
 - L3: 1.5" (38 mm)
 - D: 1/2" NPT

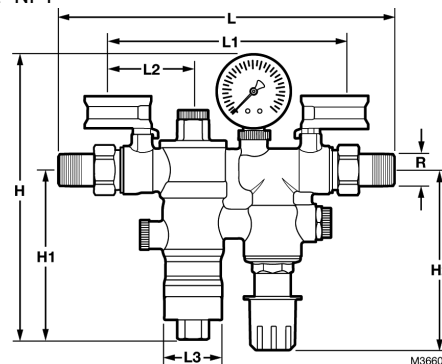


Fig. 1

MATERIALS

- Body:** Dezincification resistant brass housing
- Internal Parts:** 1/2" NPT Discharge connection, valve cartridge, valve insert and spring bonnet in high-grade synthetic material
- Seals:** NBR and EPDM
- Steel Adjustment Spring:** Steel

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