



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 - 4.0 bar)

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

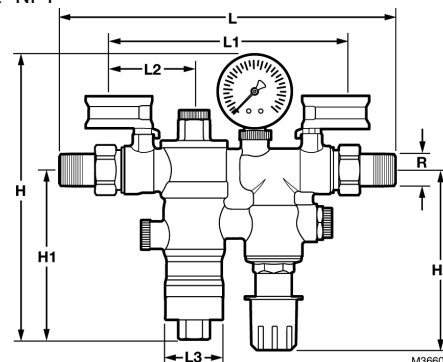


Fig. 1

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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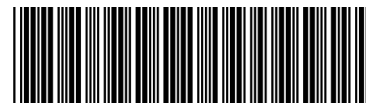


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