

Special Instructions for BWC150 Boilers Equipped with Dungs Gas Valves

Important

This boiler is equipped with a Dungs GB-WND Series gas valve, as opposed to the Honeywell VK8115 valve described in the enclosed installation manual. Although installation and operation of this boiler is almost the same regardless of the valve used, there are some minor differences. These differences are listed on this supplement

Section II: Specifications, Section VII: Gas Piping

The gas connection for the Dungs valve is on the right side panel as shown in Figure 1. The brass gas connection fitting on this panel will accept either 1/2" male or 3/4" female fittings.

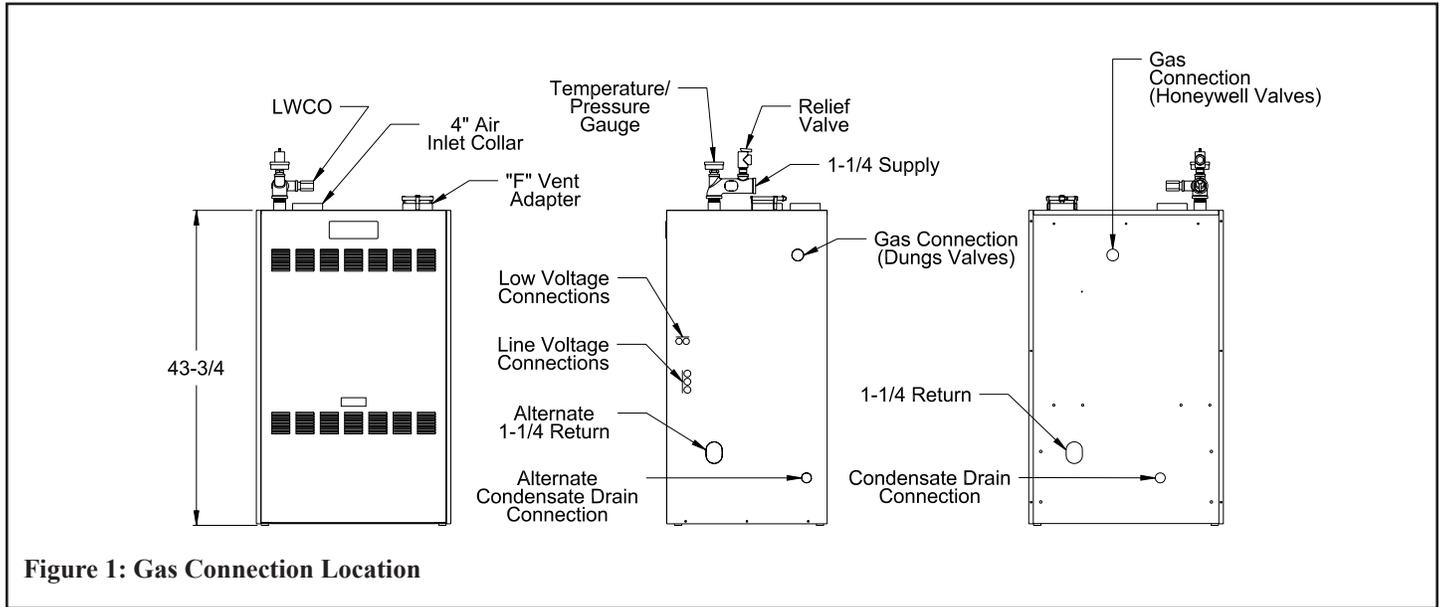


Figure 1: Gas Connection Location

Section X: Start-up and Checkout

1) Ignore Figure 10.2 (Gas Valve Detail) shown in the installation manual on page 41. Instead refer to Figure 2 below:

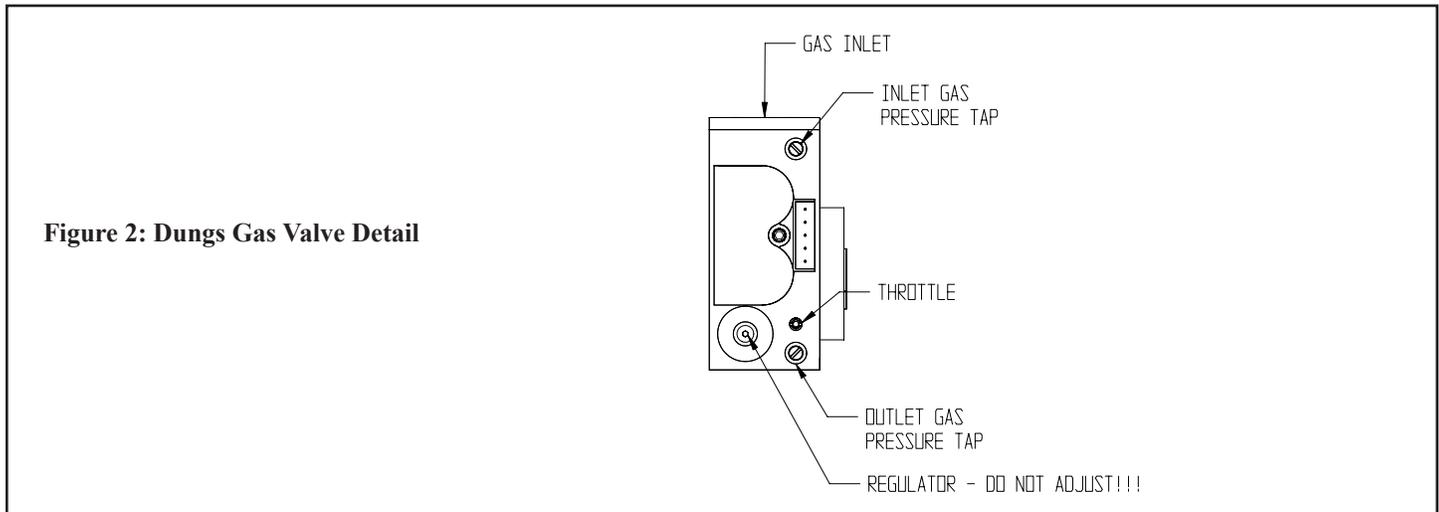


Figure 2: Dungs Gas Valve Detail

2) Ignore Table 10.3 on page 41 of the installation manual. Instead refer to Table 1 below:

Table 1: Typical Sea Level Combustion Readings for BWC150 Boilers Equipped with Dungs Gas Valves

Model	Fuel	CO ₂ (%)	O ₂ (%)	Max CO (PPM)
BWC150	Natural Gas	8.7	5.6	75
BWC150	Propane	10.1	5.6	75

Section XIV: Parts

Table 2 shows changes to the parts list shown in the installation manual for boilers equipped with Dungs gas valves.

Table 2: Spare Parts List Changes

Obsolete Parts		New Parts		
Key # in I/O Manual	Description	Key # in I/O Manual or Figure 3	Part #	Description
40	2" ID Polypro Duct Hose	A	230002	Blower (Dungs Mounting Flange)
41	SAE #32 Hose Clamp	B	230003	3 x 63mm O Ring
45	Vinyl Grommet	C	230150	Fan Inlet Block
73	Pressure Switch (ES2043-0157)	D	90-222	1/8 Hose Barb (Existing Part)
75A	Boiler Control Module (MCBA)	E	3507345	Dungs Air Inlet Adaptor (Male)
77b1	M5 x 30 Set Screw	F	3507346	42.5mm Short Fan Adaptor Plate
77b2	M5 x 20 Set Screw	G	3507336	12mm (Gray) Swirlplate
77c1	M5 x 20 Socket Hd Screw	H	3507344	Dungs Air Inlet Adaptor (Female)
77c2	M5 x 12 Socket Hd Screw	I	3507325	Dungs Gas Valve Assembly
78	M5 Locknut (4 still used for blower)	J	3507343	M4 x 45mm Screws
79-82	Honeywell Inlet Flange w Screws/O-Ring	73	230009	Pressure Switch (ES2043-0297)
83	Blower	75	3524150U	MCBA for BWC150 (Nat & LP)
84	Venturi Gasket	125	9602305	Dungs Gas Valve Harness
85	Aluminum Pressure Tap block	Not Pictured	3507326	Dungs 90 Inlet Flange
86	VK8115 Gas Valve w Venturi	Not Pictured	230715	1/2" MPT CSST Adaptor
125	Honeywell Gas Valve Harness	Not Pictured	230707	13" CSST (Flex Gas Line)
113	Burner (9.6mm pitch)	Not Pictured	230720	1/2" MPT Bulkhead CSST Adaptor
		Not Pictured	230721	Bulkhead Bracket
		113	240036	Burner (7.2mm pitch)

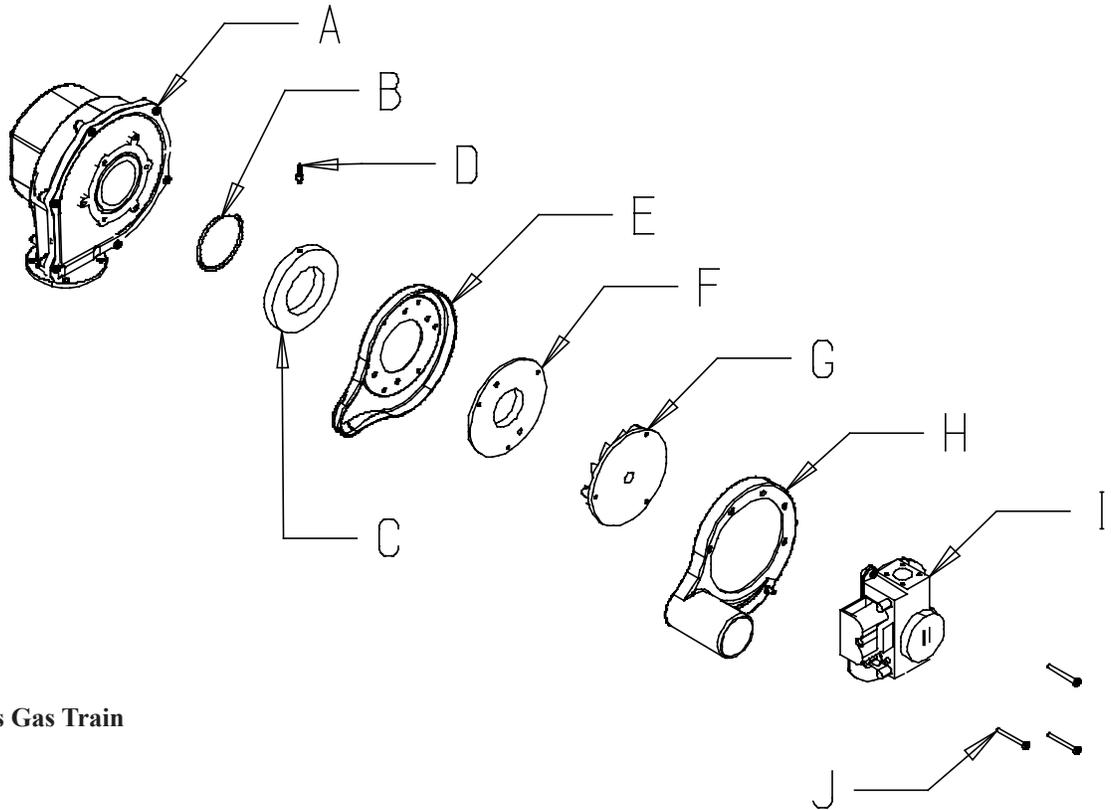


Figure 3: Dungs Gas Train