

WALL-HUNG BOILER

-  Big LCD screen display heating/DHW temperature and combustion operation
-  grounding heating design, 60 °C protection
-  special energy saving and comfortable selection
-  magnetism Filtering function, applicable for the bad water quality area
-  18 degree protections



heating
and
bathing

Model
SD18-B1 SP18-B1
SD24-B1 SP24-B1



■ Fan



■ Gas valve



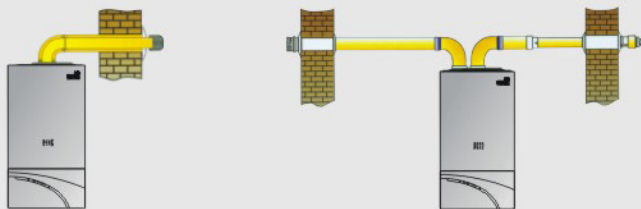
■ Pump



SD18-B1、SD24-B1、SP18-B1、SP24-B1

Technical Data

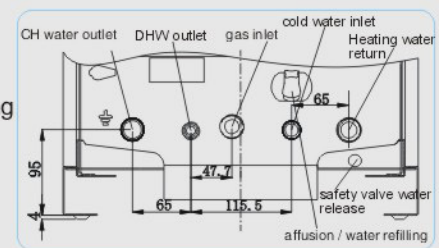
Heating					
Model	SD18-B1	SP18-B1	SD24-B1	SP24-B1	Unit
Gas type	Natural Gas,LPG,Town gas				
Nominal heat input	20		26.3		kW
Nominal heat output	18		23.7		kW
Heating efficiency	90.1		90.1		%
Heating system pressure	0.05 ~ 0.3/0.5 ~ 3		0.05 ~ 0.3/0.5 ~ 3		MPa/bar
Max. heating temperature	90		90		°C
Adjustment range of heating water temperature (±3°C)	40~85(35~60 for under floor heating)		40~85(35~60 for under floor heating)		°C
Nominal electric power	125		125		W
Protection degree	IPX4D		IPX4D		
Expansion tank volume	8		8		L
Expansion tank initial pressure	0.1/1		0.1/1		MPa/bar
Heating area	60 ~ 150		60 ~ 200		m²
Power supply	~ 220V/50Hz		~ 220V/50Hz		
Applicable water tap number	1		2		
Net weight	36		38		kg
Dimension (L * H * W)	725 x 403 x 325		725 x 403 x 325		mm
hot water system					
Max. working pressure	0.6/6		0.6/6		MPa/bar
Min. working pressure	0.03/0.3		0.03/0.3		MPa/bar
Continuous DHW production Δt=25°C	10.3		13.6		kg/min
DHW temperature adjustment range (±3°C)	35 ~ 60		35 ~ 60		°C
Min. DHW flow	2.5		2.5		kg/min
Limited flow rate for DHW	7.3		10		kg/min
pressure for gas					
Natural gas pressure	2000		2000		Pa
LPG pressure	2800		2800		Pa
Connector					
Heating water outlet	3/4"		3/4"		
DHW inlet	3/4"		3/4"		
DHW outlet	1/2"		1/2"		
Cold water inlet	1/2"		1/2"		
Gas inlet	3/4"		3/4"		
Pump capacity	5				m



Functions

Characteristics				
Model	SD18-B1	SD24-B1	SP18-B1	SP24-B1
Anti-dirty monothermic heat exchanger, stable water temperature	●	●	—	—
Bithermal heat exchanger	—	—	●	●
Comfortable heating supply	●	●	●	●
Timer setting	—	—	—	—
One week timer program	—	—	—	—
Grounding heating (35 ~60 °C temperature protection)	●	●	●	●
Function of DHW memory (fast DHW supply setting)	●	●	●	●
Comfortable temperature setting	●	●	●	●
Facile operation mode	—	—	—	—
Programming mode	—	—	—	—
Blue LCD operation mode	●	●	●	●
LED display	—	—	—	—
Proportional burning modulation, ionization automatically detect flame	●	●	●	●
Super quiet operation(less than 45 db)	●	●	●	●
Timely error diagnoses, buzzer alarm	●	●	●	●
Microcomputer digital control	●	●	●	●
Knobs modulation	—	—	—	—
Magnetism Filtering function	●	●	●	●
Comfortable/ energy saving conversion	●	●	●	●
safety measure				
Automatically over high temperature and over low temperature protection for voltage, gas pressure, water pressure and water temperature etc.	●	●	●	●
Anti-freezing, Anti-block and automatically safety detecting function	●	●	●	●
Force balanced flue, sealed combustion chamber	●	●	●	●
Air pressure protection, to prevent the flue block and inverse air	●	●	●	●
Dry-burning protection, automatically turn off the flame, and time-lapse protection when the boiler is off	●	●	●	●

connector drawing
(unit: mm)



Authoritative Approvals, International Quality Level



Guangzhou Devotion Domestic Boilers Manufacturing Co., Ltd.

Address: Hongming Road, East Section of GETDD, Guangzhou City, 510760, P.R. China

Tel: 86-20-82268688, 82268411 Fax: 86-20-82269200 E-mail: ann@devotionboilers.com

Website: www.squirrelboiler.com

