



# SDV



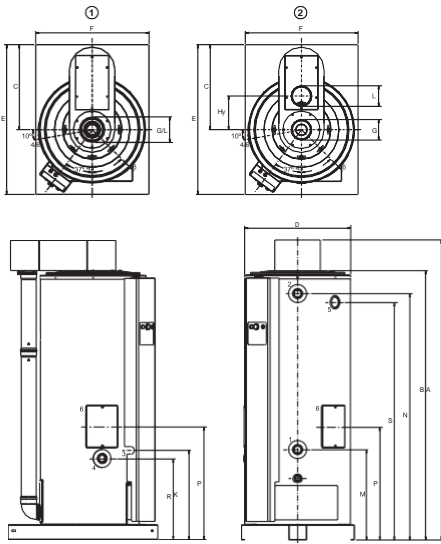
## Commercial balanced fanned flue

***SDV commercial water heaters are sealed combustion units that draw all primary air and secondary air from outside the building. They are a cost effective solution for applications where conventional flue systems are not possible or practical. Storage capacities range from 253 to 309 litres with heating inputs from 32.2 - 127.7 kW.***

- Vertical or horizontal flue-kit included
- Stainless steel burners
- Fully automatic spark ignition
- Multiple thermostat system - control, high limit & ECO
- Frost protection control
- Voltage free contact
- Electrolytic protection - magnesium anodes
- Dual clean out inspection ports
- Fixed steel base for easy installation
- LPG conversion kit
- Suitable for vented (open) or unvented (sealed) systems

#### *Optional accessories*

- Flue extension material
- Time clock control
- External ON/OFF
- Unvented system kit
- Powered anodes
- Temperature & pressure relief valve



TECHNICAL DATA (NATURAL GAS G20)						
Model		SDV 80-100	SDV 80-160	SDV 70-260	SDV 70-390	SDV 70-440
Storage capacity	ltr	309	298	253	253	253
Heat input (u.v.)*	kW	32.2	52.2	83.3	113.3	127.7
Heat output	kW	26.4	42.3	67.5	90.8	102.4
Gas consumption**	m <sup>3</sup> /h	3.1	5.0	7.9	10.8	12.2
Recovery time, ΔT = 44 °C	min.	36	22	12	9	8
Draw off capacity 1st hour, ΔT = 28 °C	ltr	1326	1771	2425	3104	3442
Draw off capacity 1st hour, ΔT = 44 °C	ltr	844	1127	1543	1975	2190
Draw off capacity 1st hour, ΔT = 50 °C	ltr	743	992	1358	1738	1927
Draw off capacity continu, ΔT = 28 °C	ltr/h	811	1299	2073	2708	3199
Draw off capacity continu, ΔT = 44 °C	ltr/h	516	827	1319	1774	2000
Draw off capacity continu, ΔT = 50 °C	ltr/h	454	728	1101	1561	1760
Inlet pressure	mbar	20.0	20.0	20.0	20.0	20.0
Maximum working pressure	kPa(bar)	800(8)				
Anodes	no.	2	2	4	4	4
Weight empty	kg	230	245	295	320	320
DIMENSIONS & CONNECTIONS						
A		2000	2000	2020	2020	2020
B		1800	1800	1820	1820	1820
C		580	580	580	580	580
D		710	710	710	710	710
E		1000	1000	1000	1000	1000
F		755	755	755	755	755
G		80	100	130	130	130
Hy		-	-	-	235	235
K		600	600	600	600	760
L		125	150	200	130	130
M		600	600	590	590	590
N		1640	1640	1655	1655	1655
P		770	770	760	760	760
R		550	550	540	540	540
S		1600	1600	1600	1600	1600
1	Cold water inlet	R1½	R1½	R1½	R1½	R1½
2	Hot water outlet	Rp1½	Rp1½	Rp1½	Rp1½	Rp1½
3	Gas control	Rp¾	Rp¾	Rp¾	Rp¾	Rp1
4	Drain valve	Rp1½	Rp1½	Rp1½	Rp1½	Rp1½
5	T&P valve	1-11.5 NPT	1-11.5 NPT	1-11.5 NPT	1-11.5 NPT	1-11.5 NPT
6	Cleaning opening	Ø100	Ø100	Ø100	Ø100	Ø100
ENERGY LABELING (ERP)						
Load Profil		XXL	XXL	XXL	3XL	3XL
Energy labeling		B	B	B	-	-
Efficiency	%	60	62	60	67	67

\* Based on natural gas: G20, gross value

\*\* Gas consumption at 15°C and a 1013.25 mbar

All measures are rounded off to 5mm.