

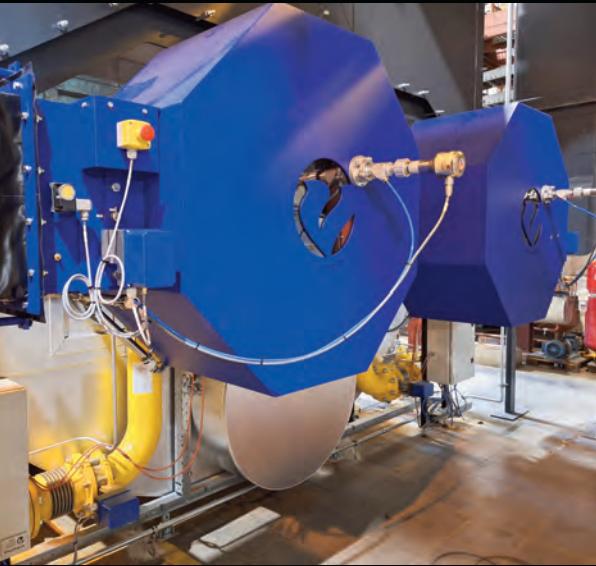
# DUO-Block

The DUO-Block is a real all-rounder!

- Some features:
  - Low noise
  - Flexible setup with separate combustion air-fan
  - Pre heated air possible
  - Tri Fuel optional
- Hinged opening to the combustor
- NO<sub>x</sub> <30ppm without FGR
- NO<sub>x</sub> <15ppm with FGR
- Standard Range 4MMBTU-92MMBTU
- BMS system of choice: Autoflame-Siemens-Lamtec, all others on request
- All burners are delivered included, Gas train, frequency drive and BMS of choice mounted in panel
- If the burner is selected with #2 Fuel Oil an oil pump-set is included



**Vitotherm**  
*Passion for burners*



## Vitotherm burners

All Vitotherm burners can fire different kind of fuels such as NG, LPG, LNG, BIOgas and #2 Fuel Oil.

Standard configuration: Dual Fuel (NG No #2 Fuel Oil), Tri-Fuel (NG-LPG No #2 Fuel Oil) > all can be selected by a flip of a switch. All other gasses on request.

We will engineer together a solution to what you as a customer requires. The combination makes the result! Boiler and burner must work together to reach the required performance

Engineering of the burner projects are being done in E-plan for the electrical drawings and Inventor for 3D.

## Performance data DUO-Block

Type	Boiler capacity (93% eff)			Burner Input		Gas pressure		Max boiler backpressure		Turn down	
	kCal	HP	kW	kW	MMBTU	mbar	PSI	mbar	"wc	Gas	Oil
VGOIs-100	1.000.000	119	1163	1250	4	100-300	1,45-4,35	6	2,4	1:5	1:5
VGOIs-150	1.500.000	178	1745	1875	6	100-300	1,45-4,35	6	2,4	1:5	1:5
VGOIs-200	2.000.000	237	2326	2500	9	100-300	1,45-4,35	6	2,4	1:5	1:5
VGOIs-250	2.500.000	296	2908	3125	11	100-300	1,45-4,35	6	2,4	1:5	1:5
VGOIs-300	3.000.000	356	3489	3750	13	100-300	1,45-4,35	6	2,4	1:6	1:5
VGOIs-350	3.500.000	415	4071	4375	15	100-300	1,45-4,35	7	2,8	1:6	1:5
VGOIs-400	4.000.000	474	4652	5000	17	100-300	1,45-4,35	7	2,8	1:6	1:5
VGOIs-450	4.500.000	534	5234	5625	19	100-300	1,45-4,35	8	3,2	1:6	1:5
VGOIs-500	5.000.000	593	5815	6250	21	100-300	1,45-4,35	8	3,2	1:7	1:5
VGOIs-600	6.000.000	711	6978	7500	26	100-300	1,45-4,35	8	3,2	1:7	1:5
VGOIs-700	7.000.000	830	8141	8750	30	200-300	2,90-4,35	9	3,6	1:8	1:5
VGOIs-800	8.000.000	948	9304	10000	34	300	4,35	10	4,0	1:8	1:5
VGOIs-1000	10.000.000	1186	11630	12500	43	300	4,35	12	4,8	1:10	1:5
VGOIs-1250	12.000.000	1423	13956	15000	51	300	4,35	12	4,8	1:10	1:5
VGOIs-1500	15.000.000	1779	17448	18750	64	300	4,35	15	6,0	1:10	1:5
VGOIs-1620	16.200.000	1921	18844	20000	68	300	4,35	15	6,0	1:10	1:5
VGOIs-1750	17.500.000	2075	20356	22000	75	300	4,35	15	6,0	1:12	1:5
VGOIs-1900	19.000.000	2253	22100	24000	82	300	4,35	15	6,0	1:12	1:5
VGOIs-2150	21.500.000	2549	25010	27000	92	300	4,35	15	6,0	1:12	1:5



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Let's get in touch:

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