

OEM B&B Product Range for Burners

Gas Valves



MMIs



Flame Detectors



Damper Actuators



Burner Controls



Temperature and Ratio Controls



Burner Controls

Oil <30 kg/h, intermittend Operation

LOA24/25/26/36



LMO14/24..



LMO64..



(Post Purge Version)

Flame Detectors QRB1/3/QRC



(Yellow Flame)



(Blue Flame)

Burner Controls

Oil > 30 kg/h intermittend Operation

LOA44..
(Air Heaters)



LMO44..
(Air Heaters)



LAL1..4



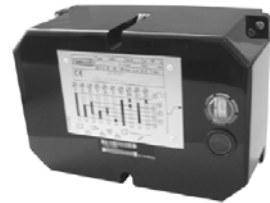
LAL1/4



LAL2/3




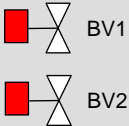


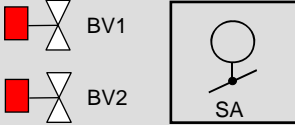


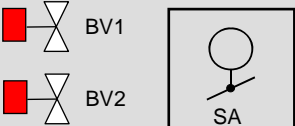


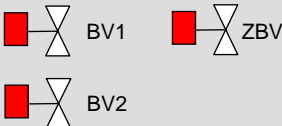






LAE1/..





LME / LMO – Burner Controls Application

Application fuel valves actuator	LME type	Display	Predecessor
1 stage Gas < 1.2 MW 	 LME 11		
2 stage Gas < 1.2 MW 	 LME 21		 LMG21, LGB21
2 stage Gas modulating 	 LME 22		 LMG22, LGB22
2 stage Gas modulating communication 	 LME 39.100	 AZL2x	
Atmospheric applications (communication*) 	  LME 44..., LME39.400*	 AZL2x	 LMG4..., LGB4...



LME / LMO – Burner Controls Application

Application	Application		LMO type	Predecessor type
	fuel valves	flame		
1 stage oil < 350kW		 	 LMO 14.111B2 LMO 14.113B2	 LOA 24.171B27 LOA 24.173A27
2 stages oil < 350kW		 	 LMO 24.111B2 LMO 24.011B2	 LOA 24.171B27 LOA 24.571C27
2 stages oil > 350kW		 	 LMO 24.255B2	none
2 stages oil > 350kW air heaters		 	 LMO44.255C2	 LOA44.252A27
1 stage oil < 350kW post- purging		 	 LMO64.301B2	none



Flame detectors

Range of products



Sensor Technology :

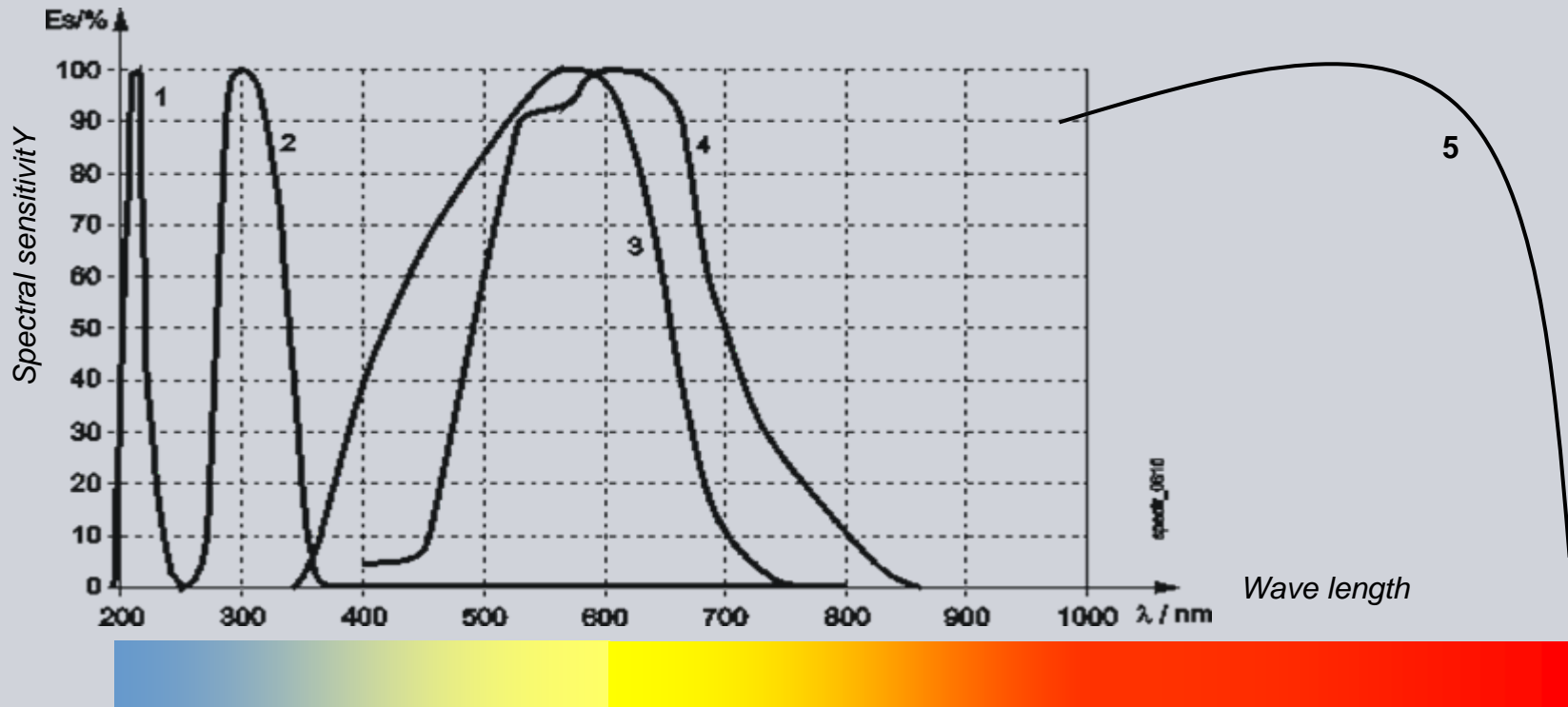
Tube (1)

Si (2)

Se (3)

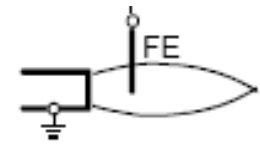
CdS (4)

PbS (5)



Burner Controls for Force Draft Burners Gas/Oil >350 kW, Continuous Operation

LGK16..



Burner Control Oil > 30 kg/h, Continuous Operation with Actuator Control

LOK16...

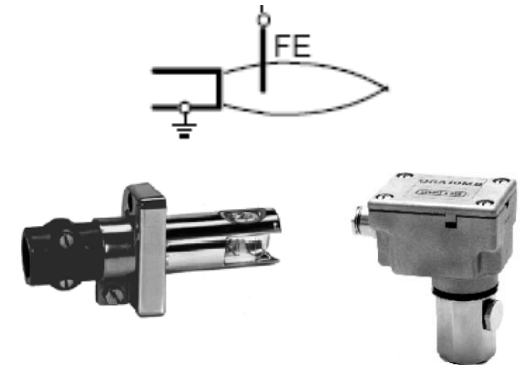


RAR7/8

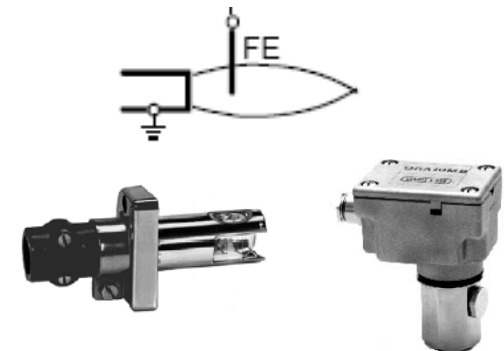


Burner Controls for Force Draft Burners Gas/Oil >350 kW, intermittend Operation

LFL1..



LFE1/..



Valve Proving System

LDU11..



Burner Control Oil / Gas for any Power Output Range

LEC1/....

Oil
intermittent



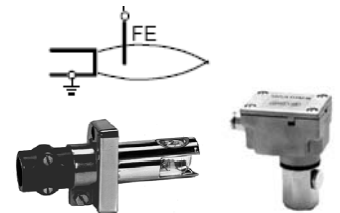
LAE10



Oil / Gas
intermittent



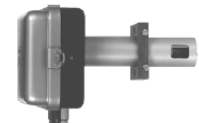
LFE10



Oil / Gas
continuous



LFE50



Air Damper Actuators

SQN7..
0,7 – 1,3 Nm



SQN3../SQN4..
3-6 Nm



SQM1.../SQM2..
10 – 20Nm



SQM5..
10 – 40 Nm



SQM4..
3 – 35 Nm



Stepper Motor
Can -Bus



RWF40 – Universal Load Controller Features

SIEMENS



RWF40... im Gehäuse

Temperature- and Pressure Control

Boiler
Steam Applications
Air Heaters and Dryers
Industrial Applikations

with

Oil or Gas Burners
Dual Fuel Burners
2-stage or modulating

Inputs:

Siemens Temperature Sensors Ni/Pt1000
DIN Pt100/1000, Thermocouples up to 1300°C
Siemens Pressure Sensors (incl. Supply)
Input Signals 0/4.. 20 mA, 0.. 10V
Set point shift with switch or Potentiometer,
switching between different set points
Outdoor temperatur sensor

Outputs:

Thermostat function (Burner On/off)
Adjustable Limit / Alarm Output
Actuator Output with Relays (floating)
0/4.. 20mA / 0...10V analogue input (optional)
RS485 - MODBUS (optional)
Compact Dimensions: 48 x 96 x 110 mm
Voltage Range: AC 93...263 V / 48...63Hz
Approvals: CE, UL/CSA

Gas Valves and Actuators



SKP.../VG.../VD...

Valve Range for SKP...; except VGJ, VLG..

Body Type

flanged flapper valve,
single block



flanged single valve,
single seat



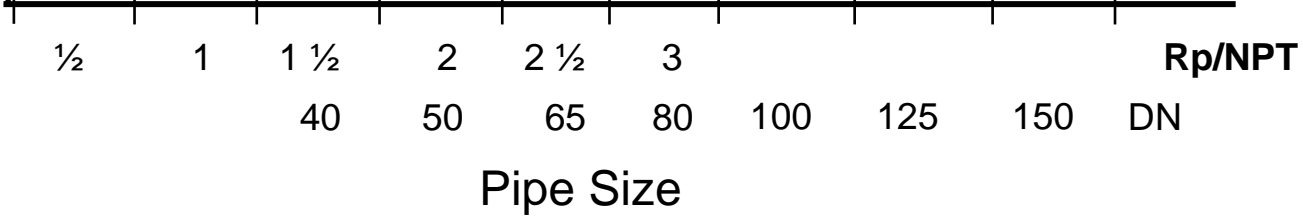
flanged double valve,
twin seats



threaded double valve,
single seats



threaded single valve,
single seat



Gas Valves

VGG...



Threaded Valves

1/2 ... 3"

Valve Seat Disk

Inlet Pressure up
to 1300 mbar

VGF...



Flanged Valves

DN 40 ... 80

Valve Seat Disk

Inlet Pressure up
to 600 mbar

VGH...



Flanged Vaves

DN 80 ... 125

Flapper

Inlet Pressures
up to 300 mbar

VLF...



Flanged Valves
for Hot Air
DN 40 ... 80;

Valve Seat Disk

Inlet Pressure up
to 700 mbar
450 ... 600 °C

Double Gas Valves

VGD20...



**Threaded / Flanged
Double Valve
DN 40 / 50**

Valve Seat Disk

**Inlet Pressure up to
600 mbar**

VGD40..



**Flanged
Double Valve
DN 65...DN150**

**Twin Valve Seat
Disks**

**Inlet Pressures up
to 600 mbar**

Actuators (with Controllers)

SKP15..



SKP25..



SKP55..

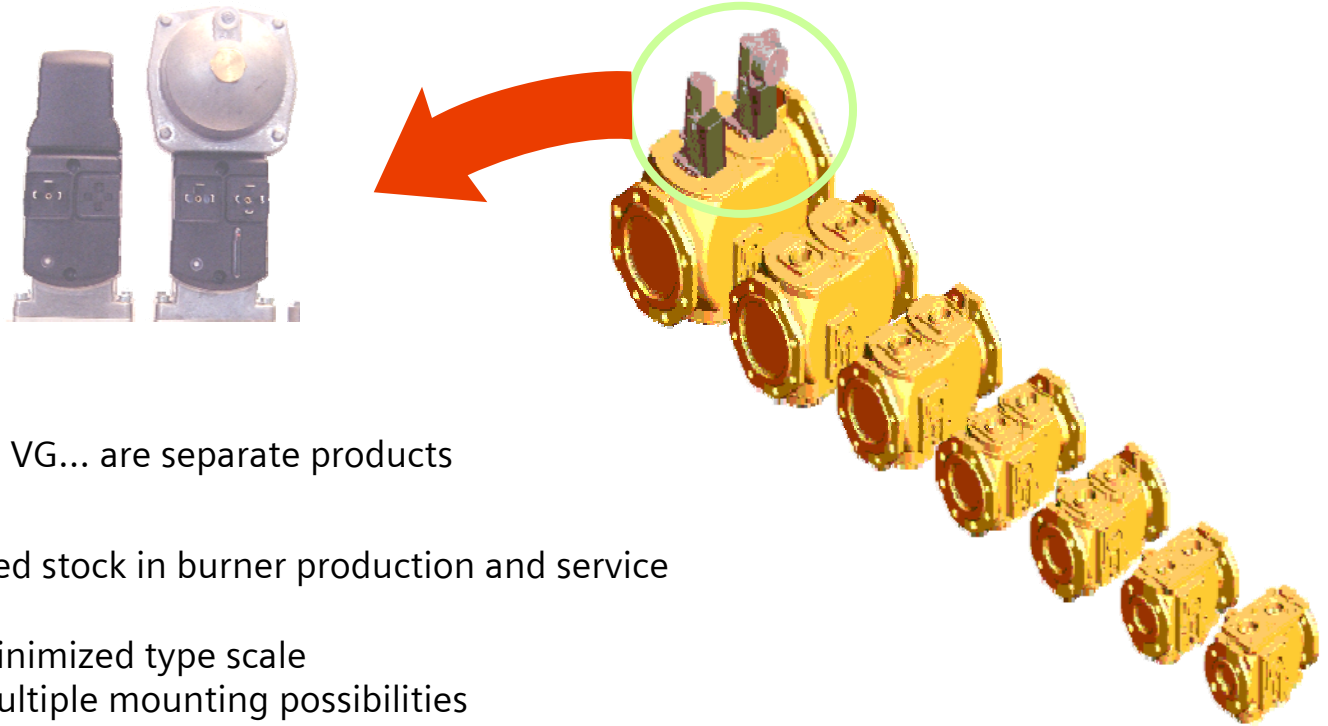


SKP75..



SKP.../VG.../VD...

Modular System for big Gas Burners (>1MW)



- SKP and VG... are separate products
- Minimized stock in burner production and service
 - Minimized type scale
 - Multiple mounting possibilities
 - Simple maintenance and service effort
- Same SKP- pair may be used on all valve sizes

