

Gas Fired Igniters Tube Ø54 mm

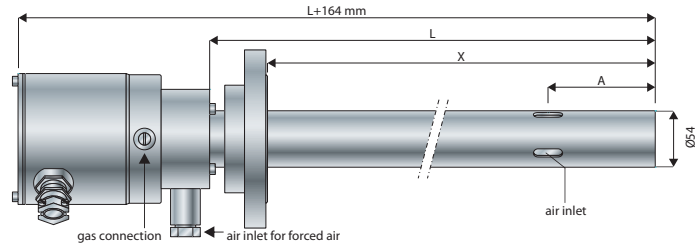
Ignition of main burners in furnaces, boilers, power plants and incinerators

Features and Benefits

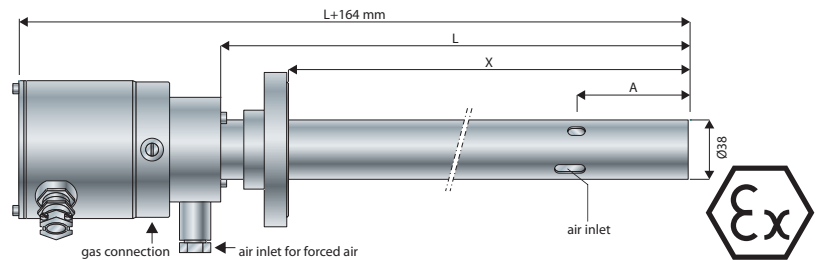
- High energy ignition
- Insensitive to moisture
- Stainless steel construction
- Self-aspirating, forced air supply or combination
- For self-aspirating version no air supply line required
- Insensitive to pressure fluctuations
- Robust design
- For all kind of gases and pressures
- Integrated spark plug(s) and ionisation electrode
- Explosion proof version (ATEX) available

Applications

- Main burners of furnaces, boilers, incinerators and power plants



Self-aspirating Ignition Burner			
type for natural gas	54AV13JB-L-A-V2E	54AV13JB-L-A-V3E	54AV13JB-L-A-V5E
heat release	80–132 kW	115–192 kW	185–305 kW
type for propane	54PV13JB-L-A-V2E	54PV13JB-L-A-V3E	54PV13JB-L-A-V5E
heat release	120–195 kW	170–285 kW	280–458 kW
min. - max. pressure	0.5–1.5 Barg		
length L	400, 500, 600: multiples of 100 mm, from 1000 to 2000 mm: 100 mm intervals, 2000 to 4000 mm: 200 mm intervals		
air inlet A	165, 230 or 400 mm in steps of 10 mm		
connection to main burner	Flange 2½" ANSI 150 LBS RF		
gas connection	½" NPTF		
air conn. for forced draft	½" BSPF		
ignition	by 3 integrated spark plugs		
flame detection	ionisation		
tube material	310 SST		
connection material	316 SST		
electrical connection	General purpose connection housing		
protection	IP66		



Explosion Proof Self-aspirating Ignition Burner			
type for natural gas	54AV13EXE-L-A-VE	54AV13EXE-L-A-V2E	54AVD13-L-A-V5E
heat release	46–75 kW	80–132 kW	185–305 kW
type for propane	54PV13EXE-L-A-VE	54PV13EXE-L-A-V2E	54PVD13-L-A-V5E
heat release	67–109 kW	120–195 kW	280–458 kW
min. - max. pressure	0.5–1.5 Barg		
length L	400, 500, 600: multiples of 100 mm, from 1000 to 2000 mm: 100 mm intervals, 2000 to 4000 mm: 200 mm intervals		
air inlet A	165, 230 or 400 mm in steps of 10 mm		
connection to main burner	flange 2½" ANSI 150 LBS RF		
gas connection	½" NPTF	½" NPTF	½" NPTF
air conn. for forced draft	½" BSPF	½" BSPF	½" BSPF
ignition	3 integrated spark plugs		
flame detection	ionisation		
tube material	310 SST		
connection material	316 SST		
electrical connection	explosion proof connection housing		
protection	IP66		
explosion proof	ATEX II 2G Ex e IIC T5/6 DEKRA11ATEX0032 (-40 to 80°C)		



DURAG GROUP smart solutions for
combustion and environment

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Gas Fired Igniters

Tube Ø54 mm

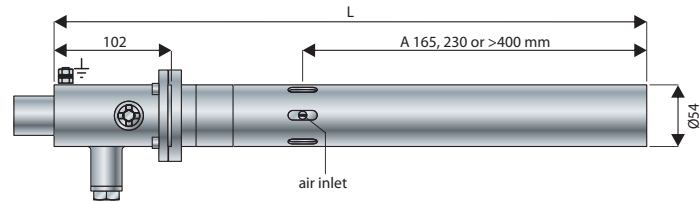
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Features and Benefits

- High energy ignition
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- Stainless steel construction
- Self-aspirating, forced air supply or combination
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- Explosion proof version (ATEX) available

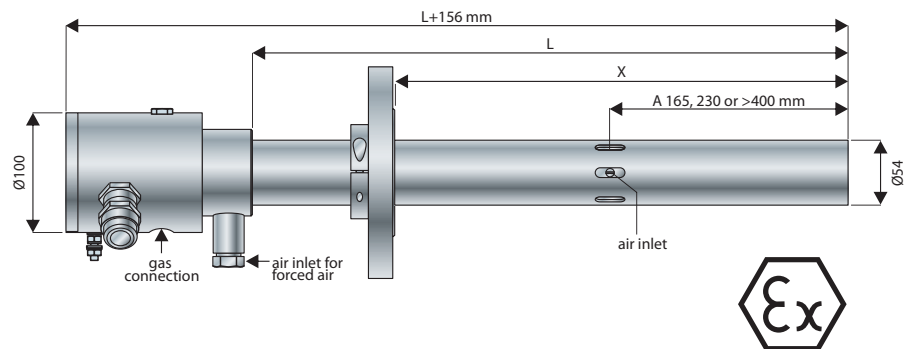
Applications

- Main burners of furnaces, boilers, incinerators and power plants



Self-aspirating Ignition Burner

type for natural gas	N54AV13-L-A-V2E	N54AV13-L-A-V3E	N54AV13-L-A-V5E
heat release	80–132 kW	115–192 kW	185–305 kW
type for propane	N54PV13-L-A-V2E	N54PV13-L-A-V3E	N54PV13-L-A-V5E
heat release	120–195 kW	170–285 kW	280–458 kW
min. - max. pressure	0.5–1.5 Barg		
length L	400, 500, 600: multiples of 100 mm, from 1000 to 2000 mm: 100 mm intervals, 2000 to 4000 mm: 200 mm intervals		
air inlet A	165, 230 or 400 mm in steps of 10 mm		
connection to main burner	Flange 2½" ANSI 150 LBS RF		
gas connection	½" BSPF	¾" BSPF	¾" BSPF
air conn. for forced draft	½" BSPF	½" BSPF	½" BSPF
ignition	by 3 integrated spark plugs		
flame detection	ionisation		
tube material	310 SST		
connection material	316 SST		
electrical connection	M25 connector for ignition, M25 connector for ionisation		
protection	IP65		



Explosion Proof Self-aspirating Ignition Burner

type for natural gas	54AVD13-L-A-VE	54AVD13-L-A-V2E	54AVD13-L-A-V5E
heat release	46–75 kW	80–132 kW	185–305 kW
type for propane	54PVD13-L-A-VE	54PVD13-L-A-V2E	54PVD13-L-A-V5E
heat release	67–109 kW	120–195 kW	280–458 kW
min. - max. pressure	0.5–1.5 Barg		
length L	400, 500, 600: multiples of 100 mm, from 1000 to 2000 mm: 100 mm intervals, 2000 to 4000 mm: 200 mm intervals		
air inlet A	165, 230 or 400 mm in steps of 10 mm		
connection to main burner	flange 2½" ANSI 150 LBS RF		
gas connection	½" NPTF	½" NPTF	½" NPTF
air conn. for forced draft	½" BSPF	½" BSPF	½" BSPF
ignition	3 integrated spark plugs		
flame detection	ionisation		
tube material	310 SST		
connection material	316 SST		
electrical connection	explosion proof connection housing		
protection	IP65		
explosion proof	ATEX II 2G EEx D IIC T6 PTB03ATEX1190 /(-20 to 60 °C)		