



The **ZVA 32 AF** is a versatile aviation nozzle designed for overwing refuelling, providing up to 200 l/min fuel with automatic shut-off. Therefore, it allows refuelling of various kinds of aircraft with JET, AVGAS and military fuels. **All parts in contact with fuel are free of non-ferrous metals.**



► Advantages

Feature	Benefit
Free of non-ferrous metals	Safeguarding fuel quality
Lever Lock-Out (optional)	Prevents accidental lever pulling
Bonding equipment	For intuitive safe and reliable bonding. Bonding cable with clamp and plug as per STANAG 3207
Swivel joint	Stainless steel EA 319 SS with roll bearing enables easy torsion free nozzle handling
Strainer conical	Prevents foreign matter to enter the tank
Dust cap	Prevents ingress of dust and dirt to enter the nozzle spout

► Operating Conditions and Areas

Flowrate	up to 200 l/min
Working pressure	1.5 to 6 bar
Media temperature	-20 °C to 40 °C (LT version: -40 °C)
Ambient temperature	-20 °C to 55 °C (LT version: -55 °C)
Standards / Approvals	• EN 13012, ATEX (Ex II 1G Ex h IIA Ga) Certificate No. PS 19 ATEX 103415 0002 U and all European regulations for weights and measures • TÜV: P-TÜ7-00512 • JIG / ATA Spec 103 / M83413/7-1 / M83413/4-1

► General Arrangement

Connection	1.5" BSP male
Weight	2.6 kg
Nominal size	Inner diameter 32 mm
Strainer mesh	160 µm/90 mesh

► Materials

Body & spout	Aluminium
Guard & lever	PA dissipative
Internals	Aluminium / stainless steel POM / PA / PEEK
Swivel	Stainless steel
External screws	Galvanized steel
Scuffguard	Soft PVC
Seals	NBR, PU

Part Number Breakdown

Example*:

ZVA 32 AF...

ER 312

EG 281.1

LLO

LT

EK 324

EK 145

EA 319 SS

GKG 32

EKG 1200

↑	Guard (Conductive and without hold-open latch)	↑	↑	↑	↑	↑	↑	↑
Spout		Latch Pin	Special Type	Scuffguard	Badges	Connection	Dust Cap	Bonding Assembly
Spout standard, OD 39 x ~235 mm = ER 312	Guard 1, electrically conductive with hole for EKG + GKG without EB 280 = EG 281.1 AF	without = D	none = (--)	JET black = EK 324	JET black = EK 145 (e.g. 382)	Stainless steel swivel = EA 319 SS	without = (--)	Bonding cable assembly with solid heavy brass clamp and bolt. Wire non- corrosive with plastic coating length 1200 mm. = Standard: EKG 1200 = To STANAG 3207: EKG 1200.1 (other lengths on request)
Spout long, OD 39 x ~322 mm = ER 312.1	Guard 1, electrically conductive, w. block magnet with hole for EKG + GKG without EB 280 = EG 281.1 M AF	Lever Lock-Out = LLO	Low temperature = LT	AVGAS red = EK 324 Red AF	AVGAS red = EK 145 Red		For ER 312 spouts = GKG 32	
ER 312 with JET-A1 adapter = ER 312 JET	Guard 3, electrically conductive with hole for EKG + GKG without EB 280 = EG 281.3 AF						For ER 312.1 spouts = GKG 32 ER	
	Guard 3, electrically conductive, with block magnet with hole for EKG + GKG without EB 280 = EG 281.3 M AF							
	Guard 4, electrically conductive with hole for EKG + GKG without EB 280 = EG 281.4 AF							
	Guard 4, electrically conductive, with block magnet with hole for EKG + GKG without EB 280 = EG 281.4 M AF							
	Guard 8, electrically conductive, with block magnet with hole for EKG + GKG without EB 280 = EG 281.8 DM rm AF							

*Details see catalogue page 529d

Dimension of Standard Nozzle with Swivel

