

FAS JET SOLUTIONS

EQUIPEMENTS POUR GAZ, GPL, AVIATION ET CARBURANTS



YOUR PARTNER FOR MOBILE AVIATION
REFUELLING EQUIPMENT



www.FAS-Jetsolutions.com



FUELLING VALVES & ACCESSORIES

AVIATION HOSE & FITTINGS
GROUND HOSE TROLLEYS
HOSE BEADS
HOSE REFLECTIVE COVERS





CARTER UNDERWING NOZZLES

Underwing fueling nozzle has been used worldwide in the aircraft fueling industry for many years. It includes a true swivel disconnect and compact flow control handle, allowing easy connection to the aircraft.

A lightweight and rugged underwing fueling nozzle which is designed to increase durability and decrease maintenance costs. Internal interlock mechanism means there are no pins to wear aircraft adaptor slots.

Derived from the 64200 nozzle. The 64250 nozzle features robust components and field replaceable wear pads which allow it to perform well in heavy use locations.

ELAFLEX OVERWING NOZZLES

PART NO	DESCRIPTION
ZVF50JET.3	Jet nozzle with 100 mesh strainer & 1 1/2 " female BSPP hose inlet (spout & accessories not included)
ZVF50AVGAS.3	Avgas Nozzle with 100 mesh strainer & 1 1/2" female BSPP hose inlet (spout & accessories not included)

OVERWING NOZZLE ACCESSORIES



PART NO	DESCRIPTION
ER250	25mm round spout
ER495	32mm round spout
ER583	38mm round spout
ER587 JET	Jet Selective spout
GKG25	25mm dust cap & chain
GKG32	32mm dust cap & chain
KGK38	38 mm dust cap & chain
GKG38-J	Jet Selective dust cap & chain
EKG1200	1.2mt static lead and brass clamp



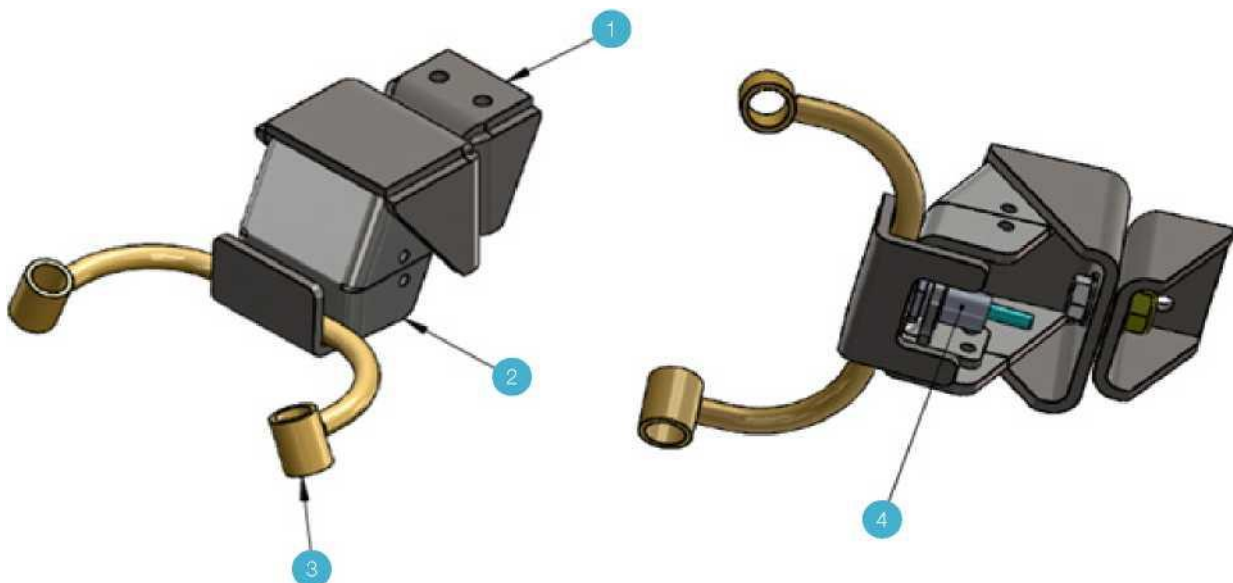
ELAFLEX BOWSER NOZZLE AVF25

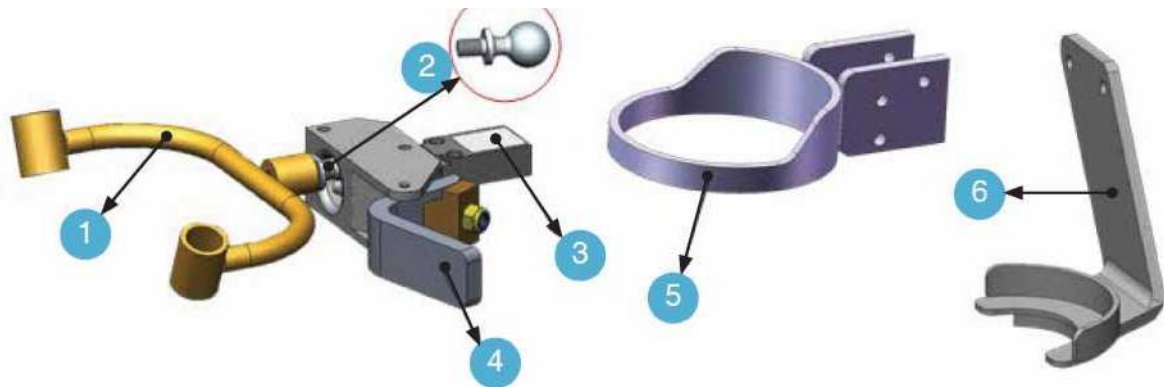
PART NO	DESCRIPTION
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1"	Bowser style nozzle c/w static lead, 100 mesh strainer and dust cap
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DROP IN PLATFORM NOZZLE STOWAGE

ITEM NO	PART NO	DESCRIPTION
	8568	Plunger Interlock Switch
	8850	Proximity Interlock Switch
1	4600-01-15	Drop-In Handle
2	4600-01-18	Drop-In Nozzle Stowage
3	4600-02-03	Bracket suit Carter 64348 Nozzle
4	3500-15-02	Proximity Switch 18mm





BALL & SOCKET UNDERWING NOZZLE STORAGE

ITEM NO	PART NO	DESCRIPTION
1	4600-06-01	Bracket suit Carter Underwing
2	4600-05-01	Interlock Ball only
3	XCWD21F0L5	Plunger Interlock Switch
4	4600-05-00	Interlock Ball & Socket Assembly
5	4600-01-01	Nozzle Holder
6	4600-04-01	Nozzle Holder
7	3500-15-01	Proximity Switch 12mm

BALL & SOCKET OVERWING NOZZLE STORAGE

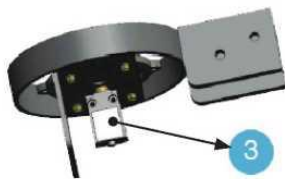


ITEM NO	PART NO	DESCRIPTION
1	4600-03-01	Nozzle Storage Cover
2	4600-03-02	Jet Selective Nozzle Storage
3	4600-06-02	Interlock Bracket suit Liquip AVN Nozzle
4	4600-03-08	Nozzle Storage Holder Assembly
5	XCWD21F0L5	Plunger Interlock Switch
	4600-06-07	Interlock Bracket suit Elaflex ZVF50 nozzle
	3500-15-01	Proximity Switch 12mm

TWIST LOCK BAYONET ADAPTOR



ITEM NO	PART NO	DESCRIPTION
1	4600-01-07	Bucket Style Nozzle Stowage
2	20216201F	Twist-lock Bayonet Adaptor
3	XCWD21F0L5	Plunger Interlock Switch



QUICK DISCONNECT COUPLING



PART NO	DESCRIPTION
8733	Actuator 1 1/2" male BSPP
8732	Dry Break Coupler 1 1/2" female BSPP
8734	Dust Cap Suit Actuator

NOZZLE SWIVELS



PART NO	DESCRIPTION
TS57-0026	Swivel Brass Nickel Plated 1" M + F BSPP
TS57-0059	Swivel Brass Nickel Plated 1 1/4" M + F BSPP
TS57-0058	Swivel Brass Nickel Plated 1 1/2" M + F BSPP
TS57-0054	Swivel Brass Nickel Plated 2" M + F BSPP
TS57-0005	Swivel Brass Nickel Plated 2 1/2" M + F BSPP

FUELLING VALVES & COUPLERS

1. CARTER BOTTOM LOAD ADAPTORS CARTER IN LINE PRESSURE CONTROL VALVE
2. CARTER HYDRANT PIT COUPLER CARTER HYDRANT PIT VALVES FOOT VALVES
3. APOLLO DEADMAN BALL VALVES
4. HYDRANT PIT BOX
5. CROCODILE INPUT COUPLER LIFTER
6. PRECISION REGULATOR
7. PRESSURE RELIEF VALVE
8. SHOW FLOW
9. CHECK VALVES
10. AXIAL VALVES
11. TANK SUMP DRAIN & VALVE



CARTER BOTTOM LOAD ADAPTORS



PART NO

DESCRIPTION

61528-B Bottom load adaptor c/w plastic dust cap with 3" TTMA flange

61529Z Modular fueling adaptor in accordance with MS24484-2

61531 Metal pressure dust cap

64040B Bottom load adaptor c/w plastic dust cap with 3" ANSI flange

6958BCH Bottom load adaptor c/w plastic dust cap with 2 1/2" female BSPP outlet



CARTER IN LINE PRESSURE CONTROL VALVE



PART NO

DESCRIPTION

64500 Carter 3" In Line Pressure Control Valve ANSI150 lb. flat face flanges

64510 Carter 4" In Line Pressure Control Valve ANSI150 lb. flat face flanges

64501 Carter 3" By-pass Control Valve ANSI150 lb. flat face flanges

64511 Carter 4" By-pass Control Valve ANSI150 lb. flat face flanges

CARTER HYDRANT PIT COUPLER



PART NO

DESCRIPTION

64910TY3N Hydrant Pit Coupler 3rd edition with tall lower collar lifting handle, handle assembly at outlet port & 4" female BSPP quick disconnect

60532C Carriage assembly suit 64910 coupler

CARTER HYDRANT PIT VALVES



PART NO	DESCRIPTION
60554D	Pit Valve with lanyard operated pilot valve for manual on/off control. Valve allows flow in the fueling direction only.
60554V	Pit Valve with air or fuel operated pilot valve for deadman control. Capable of bi-directional flow.
60554X	Pit Valve with simple valve connector to be used with air or fuel operated 64280 remote pilot valve actuators. Capable of bi-directional flow.
60554Y	Pit Valve with quick release lanyard with simple valve connector to be used with air or fuel operated 64280 remote pilot actuators. Capable of bi-directional flow.
60554Z	Pit Valve with air operated pilot valve with lanyard override for manual on/off control. Capable of bi-directional flow.
64280	Remote Pilot Valve Actuator

FOOT VALVES



PART NO	DESCRIPTION
BO100-F2-AV	Pressure Balanced Low Profile Foot Valve 4" 90° Elbow
BO100-TF-AV	Pressure Balanced Low Profile Foot Valve 4" Tee
BO150-AV	Pressure Balanced Foot Valve 6" 90° Elbow
BO150-T	Pressure Balanced Foot Valve 6" 90° Tee
1039896	Aluminium tank flange suit 4" Foot Valve
ZZ1100	Aluminium tank flange suit 6" Foot Valve
8501	S/S pipeline flange suit 4" Foot Valve
ZZ1102	S/S pipeline flange suit 6" Foot Valve

APOLLO VALVE



PART NO	DESCRIPTION
8476	3/8" BSP S/S Construction
8477	1/2" BSP S/S Construction
8585	3/4" BSP S/S Construction
8584	1" BSP S/S Construction
8586	1 1/2" BSP S/S Construction
8590	2" BSP S/S Construction

N.B. NPT versions are available by special order

METERS & PUMPS

1. GORMAN RUPP PUMPS LC METERS
2. LC MECHANICAL REGISTER
3. LC PRESETS
4. LC STRAINERS
5. LC AIR ELIMINATORS
6. LC CHECK VALVES
7. LC PRESET VALVES
8. LC SPRING LOADED CHECK VALVES





GORMAN RUPP PUMPS

PART NO	DESCRIPTION
8425	Gorman Rupp 02F1-GR Self-priming 2" centrifugal pump
8426	Gorman Rupp 03H1-GR Self-priming 3" centrifugal pump

LIQUID CONTROLS METERS



MODEL	SIZE INCHES	MAX FLOWRATE LPM	MAX PRESSURE KPA
M-5	1.5	227	1034
M-7	2	378	1034
M-10	2	567	1034
M-15	3	756	1034
M-25	3	1134	1034
M-30	4	1323	1034
M-40	4	1701	1034
M-60	4	2268	1034
M-80	6	3785	1034

LIQUID CONTROLS MECHANICAL REGISTER

PART NO	DESCRIPTION
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D1147 Register 100 grad right hand w - no gear plate fitted



*Contact FAS-JET for more details.



LIQUID CONTROLS PRESETS

ITEM NO	SIZE INCHES
1	4-Digit Preset Counter
2	5-Digit Preset Counter



*Contact FAST-JET SOLUTIONS for more details.

LIQUID CONTROLS STRAINERS



STRAINER	METER
F7/FA7	M-7 and MA-7, 2"
F15/FA15 M15 and MA15, 3"	
F30	M30, 4"



* High Capacity are available in 2" and 3" Meters (M7 through M25).

*Contact FAST-JET SOLUTIONS for more details.



LIQUID CONTROLS AIR ELIMINATORS

ITEM NO	DESCRIPTION
1	Optical Air Eliminator
2	Steel Air Eliminator
3	Air and Vapor Eliminator
4	Bulk Plant Air Eliminator

Contact FAST-JET SOLUTIONS for more details.



K-SERIES



LIQUID CONTROLS CHECK VALVES

VALVE	METER	MAX FLOWRATE	MAX PRESSURE
K-7	M-5 & M-7 - 1 1/2" & 2"	150 gpm (568 lpm)	150 psi (10.5 bar)
K-15	M-15 & M-25 - 3"	300 gpm (1,136 lpm)	150 psi (10.5 bar)
K-30	M-30 - 3"	300 gpm (1,136 lpm)	150 psi (10.5 bar)

*Contact FAST-JET SOLUTIONS for more details.

ELECTRONIC REGISTER

PART NO	DESCRIPTION
1	LCR.iQ
2	LECTROCOUNT® LCR®II
3	MULTILOAD II® SMP
4	LECTROCOUNT® LCR®600
5	MASTERLOADX.iQ





LIQUID CONTROLS PRESET VALVES

VALVE	METER	MAX FLOWRATE
V7 Valves	M-5, M-7 and M-10 Meters	150 psi (10.5 bar)
V15 Valves	M-15 Meter	150 psi (10.5 bar)
V30 Valves	M-30 and M-40 Meters	150 psi (10.5 bar)

*Contact FAST-JET SOLUTIONS for more details.



LIQUID CONTROLS SPRING LOADED CHECK VALVES

MODEL	FLOWMETER
41370	M-15, 3"
41380	M-30, 4"
502020	M-7 & M-10, 2"
46743	M-5, 1"
49896	M-15 & M-25, 3"
501267	MA-4

*Contact FAST-JET SOLUTIONS for more details.

FUEL SAMPLING

1. ALJAC CLOSED CIRCUIT SAMPLERS
2. SAMPLE CONTAINERS SAMPLE BOX AIR
ALIMINATORS KOLOR KUT PASTES FUEL TESTING
HYDROMETERS & THERMOMETERS
3. SAMPLE ADAPTORS



ALJAC CLOSED CIRCUIT SAMPLERS



PART NO	DESCRIPTION
ALJAC4	ALJAC 4 litre sampler with BSPP threads c/w external Shell Water Detector fitting
6007233253	Air powered internal SWD to retrofit to existing 4 ltr. Samplers (includes sampler lid)
6007263021	Aljac 7 Litre basic sampler with NPT threads
6007263001	Aljac 20 Litre basic sampler with NPT threads
6007333201	Aljac 80 Litre basic sampler with flanged inlet & outlet connections
6007333301	Aljac 160 Litre basic sampler with flanged inlet & outlet connections
2000-05-10	Zinc Plated Mesh guard to suit 4 Litre sampler

*Other options available to add to above basic assemblies - CONTACT FAST-JET SOLUTIONS for more details.

SAMPLE CONTAINERS



PART NO	DESCRIPTION
0902000050	1 litre Sample Retention Container Heavy Duty tinplate/steel construction epoxy lined
	5 litre Sample Retention Container Heavy Duty tinplate/steel construction epoxy lined

SAMPLE BOX



PART NO	DESCRIPTION
TC251566	Black powder coated stainless steel sample box 40 x 40 x 20 cm with 1 x Euroinox lock

AIR ELIMINATOR

PART NO	DESCRIPTION
8484	Armstrong 11AV air eliminator set at 178psi 3/4" x 1/2" BSP



KOLOR KUT PASTE

PART NO	DESCRIPTION
0905013221	Kolor Kut 2.25 oz. tub fuel finding (ullage) paste
0905003908	Kolor Kut 3 oz. tube water finding paste



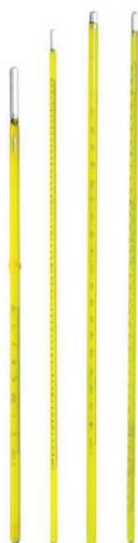
FUEL TESTING

ITEM NO	PART NO	DESCRIPTION
1	M060	Shell Water Detector Capsules (box of 80)
2	M105	5ml. Nylon re-usable syringe
3	GTP-1983	100 membranes & 100 support pads
4	GTP-1986	48 plastic monitors, each with a pair of membranes & support pad



HYDROMETERS & THERMOMETERS

TYPE	RANGE	INCREMENTS	LENGTH	COMMENTS	PART NO
Hydrometer BS718 M50SP @ 15 degC	SG 0.775-0.825	SG 0.001	270mm	Jet A1	0902000090
Hydrometer BS718 M50SP @ 15 degC	SG 0.700-0.750	SG 0.001	270mm	Avgas	0902000091
Hydrometer BS718 M50SP @ 15 degC	SG 0.750-0.800	SG 0.001	270mm		0902000092
Hydrometer BS718 M50SP @ 15 degC	SG 0.800-0.850	SG 0.001	270mm		0902000093
Hydrometer BS718 M50SP @ 15 degC	SG 0.850-0.900	SG 0.001	270mm		0902000094
Thermometer ASTM12C / IP64C	-20 to +102 degC	0.2 degC	425mm	Mercury Filled	0902000080
Thermometer ASTM12C / IP64C	-20 to +102 degC	0.2 degC	425mm	Blue Spirit Filled	0902000080A
Thermometer IP49C	-15 to +40 degC	0.5 degC	315mm	Mercury Filled	0902000081
Thermometer IP49C	-15 to +40 degC	0.5 degC	315mm	Blue Spirit Filled	0902000081A
Thermometer IP53C	0 to +80 degC	0.5 degC	315mm	Mercury Filled	09020000100
Thermometer IP53C	0 to +80 degC	0.5 degC	315mm	Blue Spirit Filled	09020000100A
Thermometer IP63C	-8 to +32 degC	0.1 degC	384mm	Mercury Filled	0902000087
Thermometer IP39C	-1 to +38 degC	0.1 degC	450mm	Mercury Filled	0902000084
Thermometer Protective Sheat	Chromium plated Brass construction			, suitable for ASTM12/IP64C	0902000085
Thermometer Protective Sheat	Chromium plated Brass construction,			suitable for IP64C and IP53C	0902000086



FUEL SAMPLING

1. PLATFORM LADDERS
2. EXPANSION JOINTS
3. SPILL MANAGEMENT
4. STAINLESS STEEL BUCKET
5. LOCK WIRE & LEAD SEALS
6. SWIVEL 4" STAINLESS STEEL FLANGED
7. PLATFORM WAND
8. STATIC & LANYARD REELS & ACCESSORIES





PLATFORM LADDERS

PART NO	DESCRIPTION
FS13310	2 step plus platform Aviation ladder. Platform height 0.86m
FS33311	3 step plus platform Aviation ladder. Platform height 0.86m
FS13314	4 step plus platform Aviation ladder. Platform height 0.86m
FS13316	5 step plus platform Aviation ladder. Platform height 0.86m



EXPANSION JOINTS

PART NO	DESCRIPTION
ERV50	50mm DN expansion joint 8 hole TW flange of aluminium
ERV80	80mm DN expansion joint 8 hole TW flange of aluminium
ERV100	100mm DN expansion joint 8 hole TW flange of aluminium



SPILL MANAGEMENT

PART NO	DESCRIPTION
CEP-P100	Absorbent sheet 17" x 19" x 3/8"
8835	Absorbent sock 3" x 48"
8790	Zippered bag truck kit containing socks and sheets (absorbs 28 litres)
JBFA65	Spill Kit Container
9107	Disposal Bag



STAINLESS STEEL BUCKET

PART NO	DESCRIPTION
T/PP95483	S/S Bucket 12 ltr. capacity c/w handle, graduations in litres & static lead
090200009	S/S Bucket 15 ltr. capacity c/w handle, graduations in litres, no cable nor clamp.



LOCK WIRE & LEAD SEALS



PART NO	DESCRIPTION
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2094	Lead Seal
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ZZ0610	1lb. 0.025" S/S sealing wire
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SWIVEL 4" STAINLESS STEEL FLANGED



PART NO	DESCRIPTION
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114587	4" S/S swivel flanged TTMA, Teflon trim.
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PLATFORM WAND



PART NO	DESCRIPTION
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1500-02-01	Standard platform wand
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3500-15-01	Proximity Switch 12mm
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3500-15-02	Proximity Switch 18mm
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ZZ0725	Flexi-Wand Rod style
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749-7593	Siemen safety Switch suit Flexi-Wand
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STATIC & LANYARD REELS & ACCESSORIES

PART NO	DESCRIPTION
SR205	Large diameter static reel c/w 30 mtrs yellow cable & brass clamp
LR205	Large diameter lanyard reel c/w 30 mtrs orange cable & dog clip
SR100-18	Yellow static cable (1,000mtr roll)
9457	Orange lanyard cable (300 mtr roll)
GTP-1097S-1	S/S Aircraft grounding plug
K-3943A	Pin receptacle
Static Clamps	Refer to image for available range