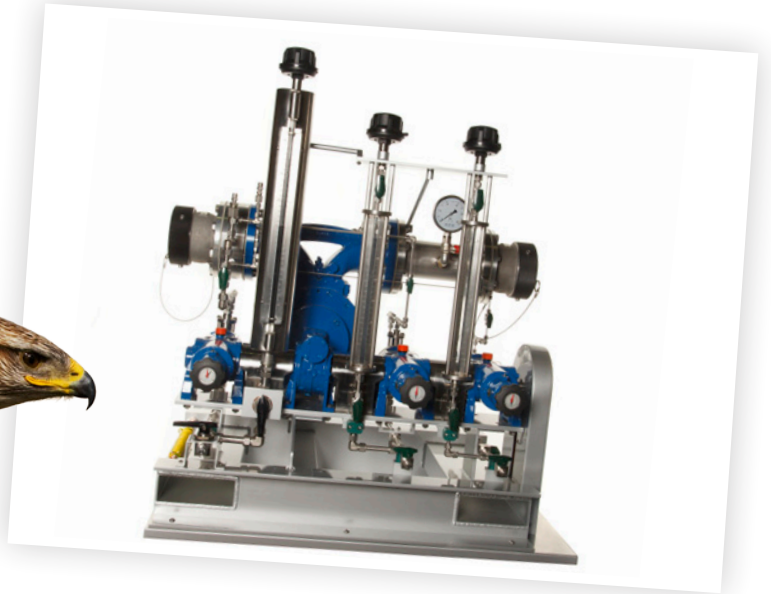
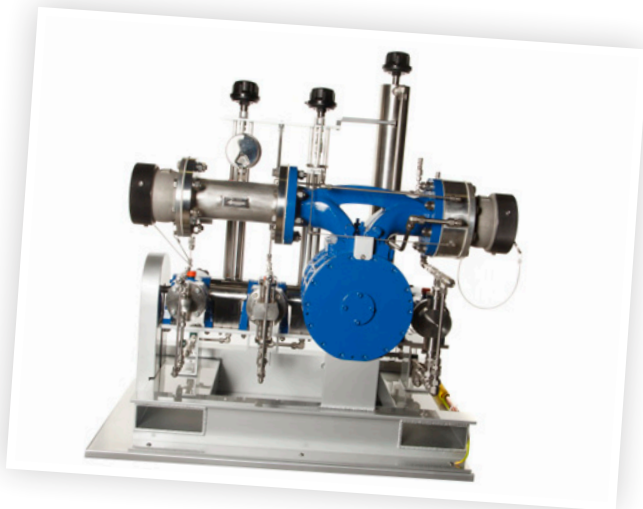


eps eastern
petroleum
supplies



STAND ALONE, SELF POWERED, SELF
CONTAINED, POSITIVE DISPLACEMENT
FUEL ADDITIVE INJECTION RIG



“WHERE QUALITY MATTERS”

STAND ALONE, SELF POWERED, SELF CONTAINED, POSITIVE DISPLACEMENT **FUEL ADDITIVE INJECTION RIG**

The rig family has been designed to operate where no external power is available or there is a lack of adequate electrical / mechanical power.

The Positive Injection Pumps derive their power from a positive displacement vane type pump which operates from 10% - 100% of the design flow from the main product delivery pipeline.

The injection pumps employed are "Piston Type" which ensures total accuracy per stroke over a long period of time.

The delivery per product can be altered with the unit either running or static and the measuring jars are manufactured from stainless steel and the graduations are scribed into the stainless steel so that the values on the jugs will not be impaired with age or use.

The micrometer settings can be locked to ensure no illegal tampering of the settings takes place.

All wetted surfaces are of 316 Stainless Steel.

The Chassis can be manufactured from Aluminium / Mild Steel / Stainless Steel.

The inlet / outlet can either be flanged only ANSI 150 or with proprietary couplings.

Thank you for your kind enquiry.

Yours faithfully,



Ron Scott
Managing Director

The "Family" of systems are related to the main product flow as below in US gallons:

	2"	3"	
	(210 gpm)	(350 gpm)	
	"Sparrow Hawk"	"Red Kite"	
	4"	6"	8"
	(660 gpm)	(1,100 gpm)	(1,450 gpm)
	"Hawk"	"Osprey"	"Sea Eagle"

On all main flow units the "Motor" is a positive displacement type with appropriate piston injection pumps and pipework to suit the customers injection requirements, which ensures continuous accuracy.

The range of pumps can vary from 1-4 again dependent on customers requirements. More injectors can be added if required.

Different seals can be used and this is dependent on the injection liquid.

The rigs can be supplied in a skid layout with the stainless steel supply tanks adequately sized to meet intended main line flows.

EPS 3 INCH FUEL BLENDER UNIT ADDITIVE INJECTION DATA

Pump head designation	Catalogue data			Adjusted gpm at 59 strokes/min	Adjusted HP at 190 psi	Max PPM Theoretical	Maximum range with 10:1 gearbox PPM - 10%-100%	Maximum range with 15:1 gearbox PPM - 10%-100%
	gpm @ 74 spm	Max psi	HP at max					
EPS-3.2-G/V1	0.003	2940	0.5	0.002	0.02	6.9	0.6 - 6.	0.4 - 4
EPS-6-T2	0.009		0.75	0.007	0.05	18	1.5 - 15	1.0 - 10
EPS-8-T2	0.015			0.011		32	3.0 - 30	2.0 - 20
EPS-10-T2	0.024			0.019		51	5.0 - 50	3.0 - 30
EPS-12-T1	0.037			0.030		80	8.0 - 80	5.0 - 50
EPS-15-T1	0.062			0.049		131	12 - 125	8.0 - 80
EPS-25-T1	0.18	2380	1.0	0.14	0.07	375	35 - 350	20 - 200
EPS-35-T1	0.36	1220	1.5	0.23	0.15	750	70 - 700	45 - 450
EPS-50-T1	0.72	580	1.0	0.57	0.32	1537	150 - 1500	100 - 1000
EPS-60-T1	1.0	410		0.80	0.47	2125	200 - 2000	130 - 1300
EPS-70-T1	1.43	290		1.14	0.64	3037	300 - 3000	200 - 2000
EPS-85-T1	2.11	205		1.68	1.00	4500	450 - 4500	300 - 3000

Information for EPS 3 inch drive unit running at max flow rate of 350 gpm @ 150 psi max

These figures are based on water & may vary depending on product.

Pump head designation EPS-(1)-(2)(3)

EPS Manufacturer (1) | Plunger Diameter (2) Seal Material T=PTFEV=Viton N=Nitrile G=Graphite (3) Number of Valves inlet(outlet) 1=single 2=double

EPS 4 INCH FUEL BLENDER UNIT ADDITIVE INJECTION DATA

Pump head designation	Catalogue data			Adjusted gpm at 78 strokes/min	Adjusted HP at 190 psi	Max PPM Theoretical	Maximum range with 7:1 gearbox PPM - 10%-100%	Maximum range with 10:1 gearbox PPM - 10%-100%
	gpm @ 74 spm	Max psi	HP at max					
EPS-3.2-G/V1	0.003	2940	0.5	0.003	0.02	4.8	0.5 - 4.5	0.3 - 3.0
EPS-6-T2	0.009		0.75	0.009	0.05	14	1.2 - 12	0.8 - 8.0
EPS-8-T2	0.015			0.016		25	2.5 - 25	1.5 - 15
EPS-10-T2	0.024			0.025		38	3.5 - 35	2.4 - 24
EPS-12-T1	0.037			0.039		59	5.5 - 55	3.5 - 35
EPS-15-T1	0.062			0.065		98	9.5 - 95	6.5 - 65
EPS-25-T1	0.18	2380	1.0	0.19	0.15	280	25 - 250	17.5 - 175
EPS-35-T1	0.35	1220	1.5	0.38	0.32	559	55 - 550	38 - 380
EPS-50-T1	0.72	580	1.0	0.76	0.32	1145	110 - 1100	75 - 750
EPS-60-T1	1.0	410		1.05	0.47	1585	150 - 1500	100 - 1000
EPS-70-T1	1.43	290		1.51	0.64	2264	220 - 2200	150 - 1500
EPS-85-T1	2.11	205		2.22	1.00	3356	330 - 3300	230 - 2300

Information for EPS 4 inch drive unit running at max flow rate of 660 gpm @ 150 psi max

These figures are based on water & may vary depending on product.

Pump head designation EPS-(1)-(2)(3)

EPS Manufacturer (1) | Plunger Diameter (2) Seal Material T=PTFEV=Viton N=Nitrile G=Graphite (3) Number of Valves inlet(outlet) 1=single 2=double

EPS 6 INCH FUEL BLENDER UNIT ADDITIVE INJECTION DATA

Pump head designation	Catalogue data			Adjusted gpm at 87 strokes/min	Adjusted HP at 190psi	Max PPM Theoretical	Maximum range with 7:1 gearbox PPM - 10%-100%	Maximum range with 10:1 gearbox PPM - 10%-100%
	gpm @ 74 spm	Max psi	HP at max					
EPS-3.2-G/V1	0.003	2940	0.5	0.0035	0.02	3.8	0.3 - 3.0	0.2 - 2.0
EPS-6-T2	0.009		0.75	0.0106	0.05	9.6	0.9 - 9.0	0.6 - 6.0
EPS-8-T2	0.015			0.0176		17.2	1.5 - 15	1.0 - 10
EPS-10-T2	0.024			0.0282		27	2.5 - 25	2.5 - 15
EPS-12-T1	0.037			0.0435		39.6	3.5 - 35	2.4 - 24
EPS-15-T1	0.062			0.0729		64	6.0 - 60	4.0 - 40
EPS-25-T1	0.18	2380	1.0	0.212	0.07	184	18 - 180	12 - 120
EPS-35-T1	0.36	1220	1.5	0.423	0.15	372	35 - 350	24 - 240
EPS-50-T1	0.72	580	1.0	0.846	0.32	760	75 - 750	50 - 500
EPS-60-T1	1.0	410		1.176	0.47	1050	100 - 1000	70 - 700
EPS-70-T1	1.43	290		1.681	0.64	1516	150 - 1500	100 - 1000
EPS-85-T1	2.11	215		2.48	1.00	2244	220 - 2200	150 - 1500

Information for EPS 6 inch drive unit running at max flow rate of 1100 gpm @ 150 psi max

These figures are based on water & may vary depending on product.

Pump head designation EPS-(1)-(2)(3)

EPS Manufacturer (1) | Plunger Diameter (2) Seal Material T=PTFEV=Viton N=Nitrile G=Graphite (3) Number of Valves inlet(outlet) 1=single 2=double

EPS 8 INCH FUEL BLENDER UNIT ADDITIVE INJECTION DATA

Pump head designation	Catalogue data			Adjusted gpm at 86 strokes/min	Adjusted HP at 190 psi	Max PPM Theoretical	Maximum range with 7:1 gearbox PPM - 10%-100%	Maximum range with 5:1 gearbox PPM - 10%-100%
	gpm @ 74 spm	Max psi	HP at max					
EPS-3.2-G/V1	0.003	2940	0.5	0.0035	0.02	2.4	0.25 - 2.0	0.5 - 3.3
EPS-6-T2	0.009		0.75	0.0104	0.05	6.7	0.6 - 6.0	0.9 - 9.0
EPS-8-T2	0.015			0.0174		11.6	1.0 - 10.0	1.5 - 15
EPS-10-T2	0.024			0.0279		18	1.5 - 15.0	2.5 - 25
EPS-12-T1	0.037			0.043		28	2.5 - 25	3.5 - 35
EPS-15-T1	0.062			0.072		46	4.5 - 45	6.0 - 60
EPS-25-T1	0.18	2380	1.0	0.209	0.07	133	13 - 130	18 - 180
EPS-35-T1	0.35	1220	1.5	0.406	0.15	266	26 - 260	35 - 350
EPS-50-T1	0.72	580	1.0	0.837	0.32	545	50 - 500	75 - 750
EPS-60-T1	1.0	410		1.162	0.47	754	75 - 750	100 - 1000
EPS-70-T1	1.43	290		1.662	0.64	1078	100 - 1000	150 - 1500
EPS-85-T1	2.11	205		2.452	1.00	1599	150 - 1500	220 - 2200

Information for EPS 8 inch drive unit running at max flow rate of 1450 gpm @ 150 psi max

These figures are based on water & may vary depending on product.

Pump head designation EPS-(1)-(2)(3)

EPS Manufacturer (1) | Plunger Diameter (2) Seal Material T=PTFEV=Viton N=Nitrile G=Graphite (3) Number of Valves inlet(outlet) 1=single 2=double

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