

Ø36 - 48" (line stop head capacity) Line Stop Actuator

Rev 1.0

A Line stop hydraulic actuator used to temporarily isolate a section of pipeline for repairs or maintenance without the need to shut down the line.



- **Hydraulic cylinder and controls**
- **Direct depth reading**
- **Twin control bar locks**
- **140" stroke as standard**
- **Industry standard connections**

The Mirage LSA range is designed for ease of use in making 36-48 inch (915 - 1219mm) line stops in conjunction with the required line stop head and housings into various material pipelines with varying wall thickness, surface or subsea.

Hydraulically operated cylinder with control bar with direct measurement reading for distance control and double lock for securing the line stop head in place. Industry standard connection flange adapter for existing equipment.

Maximum working pressure is 1,480 p.s.i (102 bar) at 100°F (38°C). Operating temperature continuous rating is 181°F (83°C). The Mirage LSA36-48 has a valve bank positioned at the lower end of the cylinder for ease of operation.

The machine is supplied complete with actuator, hydraulic valve and pressure relief, control bar protector and pressure test end cap, certified lifting bracket, connection hoses, all required mounting studs and nuts and #600 connection spool, CE certificate, packing list and manual - pressure certificate for working pressure - 1480 psi (102 bar).

Technical Details

Minimum Line Stop Diameter	915mm	36"
Maximum Line Stop Diameter	1219mm	48"
Maximum Operating Pressure	102 bar	1480 p.s.i
Standard Certified Pressure	102 bar	1480 p.s.i
Maximum Operating Temperature (continuous)	83°C	181°F
Boring Bar Travel	3556mm	140"
Hydraulic Oil Capacity	191 litres	42 Imp gallons
Hydraulic Supply Required - 1000 p.s.i (70 bar)	Variable Flow	

Standard Line Stop Housings

Nominal Size		Part number		
In	DN	ASME Class 150	ASME Class 300	ASME Class 600
36	900	LSH36-150	LSH36-300	LSH36-600
38	950	LSH38-150	LSH38-300	LSH38-600
40	1000	LSH40-150	LSH40-300	LSH40-600
42	1050	LSH42-150	LSH42-300	LSH42-600
44	1100	LSH44-150	LSH44-300	LSH44-600
46	1150	LSH46-150	LSH46-300	LSH46-600
48	1200	LSH48-150	LSH48-300	LSH48-600

Standard Line Stop Heads

Nominal Size		Part number	
In	DN	Folding Head Class 600	Sealing Element Class 600
36	900	LSFH36	LSSE36-600
38	950	LSFH38	LSSE38-600
40	1000	LSFH40	LSSE40-600
42	1050	LSFH42	LSH42-600
44	1100	LSFH44	LSSE44-600
46	1150	LSFH46	LSSE46-600
48	1200	LSFH48	LSH48-600

PP4 – Hydraulic Power Unit

Engine – Diesel	35 Kw	47 Hp
Maximum Pump Delivery	0 - 80 Lpm	0 - 21 gpm
Maximum Operating Pressure	100 bar	1450 p.s.i
Standard Reservoir Capacity	250 Litres	55 gallons
Diesel Fuel Tank Capacity	25 Litres	5.5 gallons
Weight (not including fuel and hydraulic oil)	727 Kgs	1600 Lbs
12volt Battery Start and Pendant Control		

Weights and Dimensions

Machine Length	4468mm	176"
Machine Weight	1550 Kgs	3410 Lbs
Shipping Weight	1675 Kgs	3685 Lbs

Shipping Dimensions

Length		Width		Height	
mm	inches	mm	inches	mm	inches
5250	207	500	20	500	20