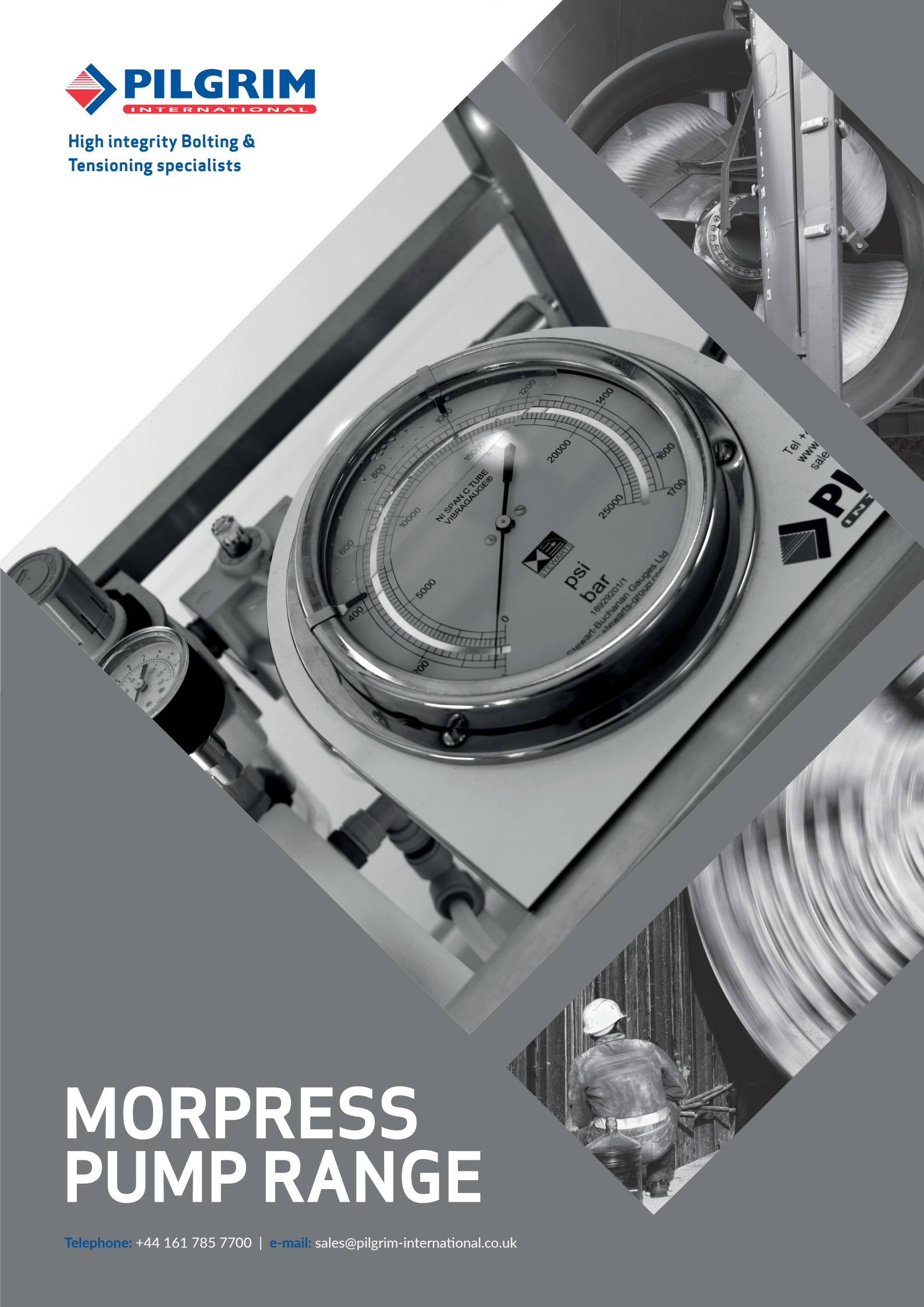




High integrity Bolting &  
Tensioning specialists



# MORPRESS PUMP RANGE

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# The MorPress standard pump range are efficient, compact and portable high pressure pumps providing instant and reliable hydraulic power.

## Air Operated Hydraulic Pumps

The MorPress air operated pumps utilise a low pressure air input to generate a high pressure output. This is achieved by means of a simple differential area system in which a large piston area at low pressure produces high hydraulic pressure on a small area piston.

An air regulator enables the MorPress to provide an intermediate pressure required within the limits of the pump output range, thus allowing the pumps to stall at any predetermined hydraulic pressure, which will be held by automatic cycling to compensate for any hydraulic pressure loss

Both oil and air are filtered prior to entering the system.

The MorPress requires only two connections, one to the air supply and one to the hydraulic output. Simple and safe self-sealing quick release couplings are used to connect the equipment being pressured.

## Air Operated Pump Configurator

Select the pump size and options to suit your needs to configure the product designation. If you can't find what you need please contact us.

## Features

- Lightweight design
- Stainless steel frame
- Easy to operate & Service
- Robust & Reliable
- High quality and durable
- Options and accessories available
- Glycerine filled pressure gauge
- High quality air pump unit



Model Number	Driven	Output Pressure		Mass Kg	Standard Oil Reservoir Capacity		Overall Dimensions mm	Delivery At Max Pressure Per Minute	
		Bar	Psi		Litre	Gallon		Cm <sup>3</sup>	inches <sup>3</sup>
MK12-525	Air	1700	25000	22	5.0	1.10	450x340x520	393	24
MK12-535	Air	3000	40000	25	5.0	1.10	450x340x520	328	20
MK12-620	Air	1700	25000	30	5.0	1.10	450x340x550	1065	65
MK12-640	Air	3500	50000	32	5.0	1.10	450x340x550	442	27

Gauge	Bar/ Psi	Mpa / Psi	Kg.cm <sup>2</sup> / Psi	Kg.cm <sup>2</sup>	Mpa
	1	2	3	4	5

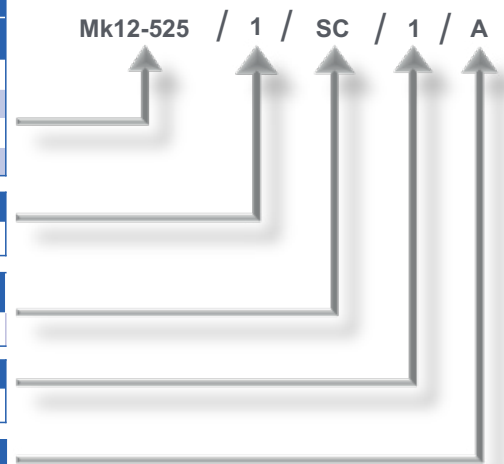
Outlet	Single CEJN QC	Twin CEJN QC	Single 9/16" Plug	Twin 9/16" Plug	CEJN QC & 9/16" Plug
	SC	TC	SP	TP	TCP

Air Inlet	Jay Mac	Dixon Chicago	None
	1	2	3

Tank Size	5 Litre	8 Litre
	A	B



## Pump Seal Repair Kit Order Details

Mk12-525:	K2327
Mk12-535:	K2329
Mk12-620 & 640:	K2331

# The **MorPress MK12e** electrically operated high pressure hydraulic pump offers the ultimate in delivering mobile hydraulic power.

## Electric Operated Hydraulic Pump

Flexible as it only requires an electrical supply and can be plugged into the mains supply and doesn't require an air compressor. The MorPress Mk12e represents new technology introduced patent protected motors and controls. The MorPress Mk12e will deliver pressures to 23,750 psi with a quiet electric motor, a smoother flow rate from zero to full pressure and controls that include an industry-first pressure test mode that allows you to set a defined pressure and walk away. In addition, the MorPress Mk12e features a new quick-connect system for exchanging pump lowers to facilitate routine maintenance without taking the whole pump out of commission.

### Smart Control features:

- Pressure control feature for standard jobs
- Pressure test mode – set it and forget it
- Cycle counter for routine maintenance planning

### Smooth/Quiet Hydraulic/Liquid Intensifier

- Smoother flow rate from zero to full pressure
- Electric motor quieter than air powered pumps

## Electric Operated Pump Configurator

Select the pump size and options to suit your needs to configure the product designation. If you can't find what you need please contact us.

## Features

- Stainless Steel Frame
- Easy to operate
- Robust and durable
- Reliable
- Programmable with "Bolt Mode"
- Options and accessories available
- Easy to Service
- Plug & Play



Model Number	Driven	Output Pressure		Mass Kg	Standard Oil Reservoir Capacity		Overall Dimensions mm	Delivery At Max Pressure Per Minute	
		Bar	Psi		Litre	Gallon		Cm <sup>3</sup>	inches <sup>3</sup>
Mk12e-700	Electric	1635	23750	40	3.0	0.66	400x400x540	295	18

Plug Style	120V US	230V	UK, Singapore / Malaysia	230V ANZ
	1	2	3	4

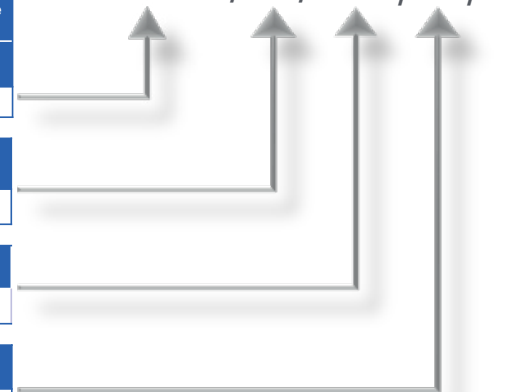
  

Outlet	Single CEJN QC	Twin CEJN QC	Single 9/16" Plug	Twin 9/16" Plug	CEJN QC & 9/16" Plug
	SC	TC	SP	TP	TCP

Umbilical Control <small>* Does not release pressure</small>	Yes	No
	Y	X

Mk12e-700 / 1 / SC / Y / X





# Designed with the operator in mind the MorPress range of pumps is robust and ready for use.

## Hand Operated Hydraulic Pumps

The MorPress range of hand operated pumps are a cost effective and mobile solution to deliver hydraulic pressure.

Pt No.	Driven	Output Pressure		Mass Kg	Oil Reservoir Capacity		Stage	Delivery At 5.50 Bar	
		Bar	Psi		Litre	Gallon		Cm <sup>3</sup>	inches <sup>3</sup>
PH 2400	Hand	2400	35000	10.0	2.10	0.55	Single	20.0	0.80
PH 1600	Hand	1600	23000	10.0	2.10	0.55	Single	20.0	0.80
PH 1500	Hand	1500	21700	11.4	2.30	0.60	Double	31.5	1.25
PH 1000 S	Hand	1000	14500	3.5	0.25	0.07	Single	12.5	0.50
PH 1000	Hand	1000	14500	13.5	0.80	0.18	Single	25.0	1.00

## Features

- Easy to operate
- Robust and durable
- Reliable
- Options and accessories available
- Easy to Service
- Plug & Play



PH1000



PH1000S



PH1500

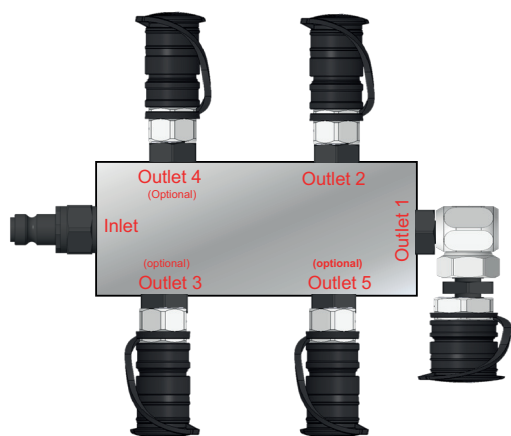





PH1600 &amp; PH2400

## Multi Port Connector Block

- 1). Select your connector block relating to the hydraulic pressure required.
- 2). Select the number of outlets (plus 1 inlet.)
- 3). Choose outlet 1 option

**Ordering Code Example: CBPH-100/6/X**  
 (High pressure connection block up to 100MPa with 5 outlet ports with no option on outlet 1)















Part Number	Number of Ports (Including Inlet)	Standard Inlet	Standard Outlet	Optional Outlet 1
		Quick Connect Nipple 	Quick Connect Coupling 	90° Q.C. COUPLING 
<b>CBPH-100</b> (BLUE Hose)	3 off 4 off 5 off 6 off	115 CEJN = 100 MPa	115 CEJN = 100 MPa	<b>J</b> 115 CEJN = 100 MPa
<b>CBPH-150</b> (BLUE Hose)	3 off 4 off 5 off 6 off	116 CEJN = 150 MPa	116 CEJN = 150 MPa	<b>K</b> 116 CEJN = 150 MPa
<b>CBEP-250</b> (RED Pipe)	3 off 4 off 5 off 6 off	125 CEJN = 250 MPa	125 CEJN = 250 MPa	<b>L</b> 125 CEJN = 250 MPa

CBPH-100 / 6 / X

## Hose and High Pressure Hydraulic Fittings Configurator

Whether it is installing the smart hydraulically installed Radial Fit bolt or one of the many HYDROCAM bolt tensioning systems, we offer a full range of hoses and hydraulic fittings to help our customers experience a trouble free installation.

		PUMP END	HYDRAULIC TOOL END					
Hose	Length mm	QC Nipple	Standpipe	Swivel	Quick Connect Nipple	QC Coupling	90° Q.C. COUPLING	Anti-Whip Safety Constraint
 ADAPTOR 1/2" BSP CEJN Both Ends								
<b>PH06</b> 150 MPa (BLUE) 	<b>XXXXXX</b> Min 500 Max 30000	<b>A</b> 115 CEJN = 100 MPa <b>B</b> 116 CEJN = 150 MPa	<b>Not Available</b>	<b>D</b> 1/2" BSP SWIVEL	<b>A</b> 115 CEJN = 100 MPa <b>B</b> 116 CEJN = 150 MPa	<b>E</b> 115 CEJN = 100 MPa <b>F</b> 116 CEJN = 150 MPa	<b>J</b> 115 CEJN = 100 MPa <b>K</b> 116 CEJN = 150 MPa	<b>R = Yes</b> <b>X = No</b>
<b>EP06</b> 250 MPa (Red) 	<b>XXXXXX</b> Min 500 Max 30000	<b>A</b> 125 CEJN = 250 MPa	<b>Not Available</b>	<b>D</b> 1/2" BSP SWIVEL	<b>A</b> 125 CEJN = 250 MPa	<b>G</b> 125 CEJN = 250 MPa	<b>K</b> 116 CEJN = 150 MPa <b>L</b> 125 CEJN = 250 MPa	<b>R = Yes</b> <b>X = No</b>
<b>UP06</b> 300 MPa (ORANGE) 	<b>XXXXXX</b> Min 500 Max 30000	<b>A</b> 135 CEJN = 300 MPa	<b>C</b> 1/4" BSP x 28 UNF	<b>D</b> 1/2" BSP SWIVEL	<b>A</b> 135 CEJN = 300 MPa	<b>H</b> 135 CEJN = 300 MPa	<b>Not Available</b>	<b>R = Yes</b> <b>X = No</b>
								
<b>PH06 / XX500 / A / E / X</b>								

### Select the suitable hose type for the working pressure

Part No.	Maximum Working Pressures			Ply	Colour	Hose Dimensions			Temperature		Max. Length m
	BAR	psi	MPa			ID mm	OD mm	Bend Radius mm	MIN °C	MAX °C	
<b>PH06</b>	1500	21750	150	5/4	Blue	5.00	11.20	150	-30	70	30
<b>EP06</b>	2800	40600	280	5/6	Orange	4.80	13.20	210	-30	70	30
<b>UP06</b>	3000	43500	300	8/5	Red	4.50	19.70	250	-30	60	30

Actual hose colour provided may vary from the colours shown in the tables



All Hoses Are Supplied With A PVC Cover & PVC Securing Rings.

Hydraulic Fitting are also available on request.