



**FITTING INSTRUCTIONS FOR  
FINAL DRIVE A, B, C & D TYPES**

# FOR THE BEST ON EARTH™

## CONTENTS

---

Drive A

4



Drive B

10



Drive C

16



Drive D

22





**IMPORTANT**  
**INCORRECT PIPING WILL RESULT IN**  
**NON-WARRANTY FAILURE**

## BEFORE INSTALLATION

- Make sure the hydraulic oil is not contaminated with metal particles as a result of the breakdown of the previous final drive.
- Clean away any dirt or muck around the area where the final drive is to be installed paying extra attention to the hydraulic hoses.
- Drain off sufficient oil in order to eliminate any particles that may have entered the system during disassembly of the previous final drive.

## DRAIN HOSE

- The drain hose can be confused with the second speed hose. You can test which one is which by placing these two hoses in a bucket.
- Connect the main hoses and start the engine setting it to minimum speed and switch excavator to second speed.
- The hose that squirts oil is the second speed hose.

## AFTER INSTALLATION

- Before starting the engine check the oil level in the final drive and if necessary top up with SAE 85W/90 or standard gear oil.
- Once all connections have been made start the engine and move the excavator backwards and forwards whilst keeping engine revs to a minimum.
- Attach a pressure gauge to the hydraulic circuit and measure the pressure which should conform to the machine manufacturer's specification.

## BLUE

Drain Port. Motor drain hose.

## GREEN

Main Feed Ports.

Main high pressure forward and reverse hoses.

## RED

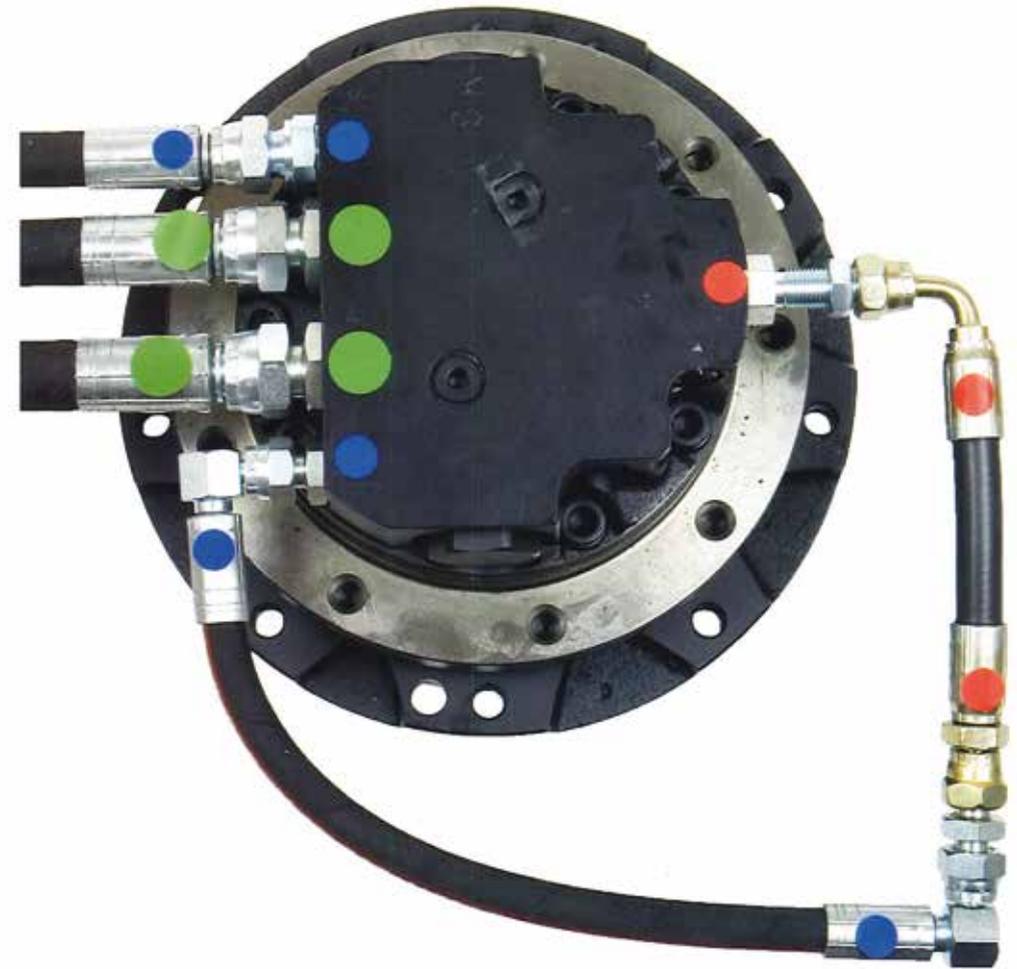
Second Speed Port.

Caution: This port has a fixed size - the related fitting (supplied) should not be replaced.



For one speed drives, the **RED PORT** is not used by the machine. However to avoid pressure building up, zero pressure is achieved by attaching a hose from the free **BLUE PORT** to the **RED PORT**.

If you specified your machine was single/one speed at time of order, this modification will already have been done for you before the unit left the warehouse. If it has not been done, please contact us so we can arrange to get the modification hose and fittings sent to you.





**IMPORTANT**  
**INCORRECT PIPING WILL RESULT IN**  
**NON-WARRANTY FAILURE**

## BEFORE INSTALLATION

- Make sure the hydraulic oil is not contaminated with metal particles as a result of the breakdown of the previous final drive.
- Clean away any dirt or muck around the area where the final drive is to be installed paying extra attention to the hydraulic hoses.
- Drain off sufficient oil in order to eliminate any particles that may have entered the system during disassembly of the previous final drive.

## DRAIN HOSE

- The drain hose can be confused with the second speed hose. You can test which one is which by placing these two hoses in a bucket.
- Connect the main hoses and start the engine setting it to minimum speed and switch excavator to second speed.
- The hose that squirts oil is the second speed hose.

## AFTER INSTALLATION

- Before starting the engine check the oil level in the final drive and if necessary top up with SAE 85W/90 or standard gear oil.
- Once all connections have been made start the engine and move the excavator backwards and forwards whilst keeping engine revs to a minimum.
- Attach a pressure gauge to the hydraulic circuit and measure the pressure which should conform to the machine manufacturer's specification.

## BLUE

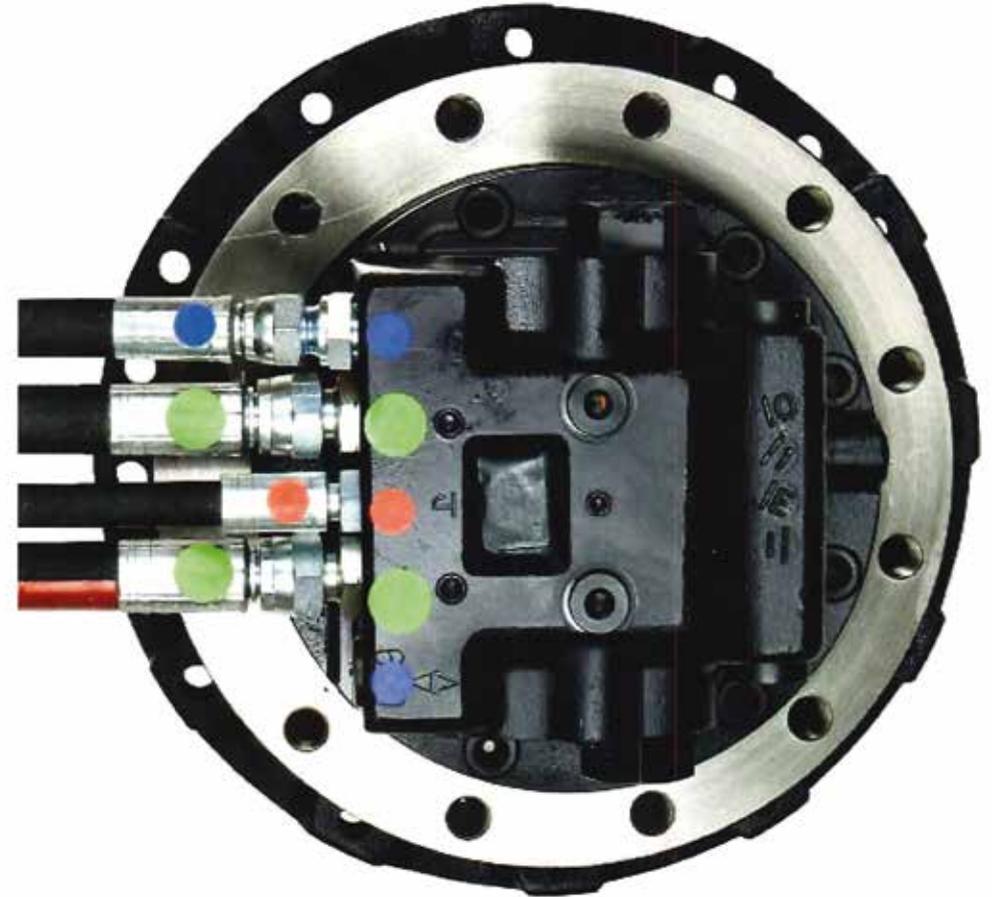
Drain Port. Motor drain hose.

## GREEN

Main Feed Ports.  
Main high pressure forward and reverse hoses.

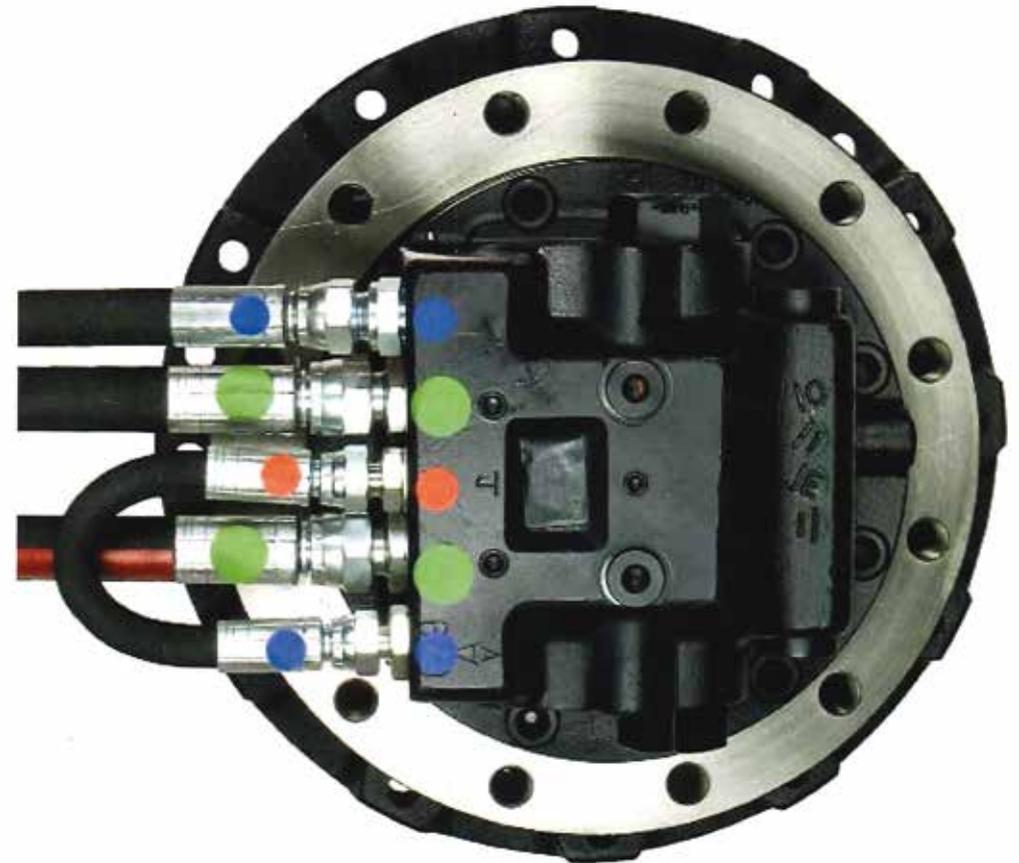
## RED

Second Speed Port.



For one speed drives, the **RED PORT** is not used by the machine. However to avoid pressure building up, zero pressure is achieved by attaching a hose from the free **BLUE PORT** to the **RED PORT**.

If you specified your machine was single/one speed at time of order, this modification will already have been done for you before the unit left the warehouse. If it has not been done, please contact us so we can arrange to get the modification hose and fittings sent to you.





**IMPORTANT**  
**INCORRECT PIPING WILL RESULT IN**  
**NON-WARRANTY FAILURE**

## BEFORE INSTALLATION

- Make sure the hydraulic oil is not contaminated with metal particles as a result of the breakdown of the previous final drive.
- Clean away any dirt or muck around the area where the final drive is to be installed paying extra attention to the hydraulic hoses.
- Drain off sufficient oil in order to eliminate any particles that may have entered the system during disassembly of the previous final drive.

## DRAIN HOSE

- The drain hose can be confused with the second speed hose. You can test which one is which by placing these two hoses in a bucket.
- Connect the main hoses and start the engine setting it to minimum speed and switch excavator to second speed.
- The hose that squirts oil is the second speed hose.

## AFTER INSTALLATION

- Before starting the engine check the oil level in the final drive and if necessary top up with SAE 85W/90 or standard gear oil.
- Once all connections have been made start the engine and move the excavator backwards and forwards whilst keeping engine revs to a minimum.
- Attach a pressure gauge to the hydraulic circuit and measure the pressure which should conform to the machine manufacturer's specification.

## BLUE

Drain Port. Motor drain hose.

## GREEN

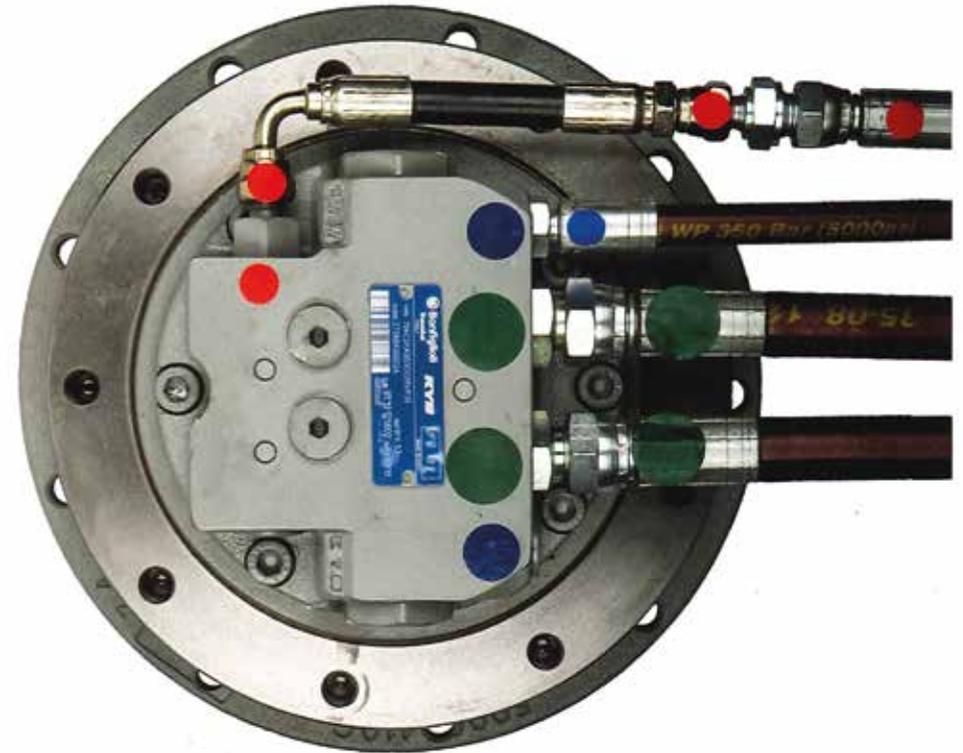
Main Feed Ports.

Main high pressure forward and reverse hoses.

## RED

Second Speed Port.

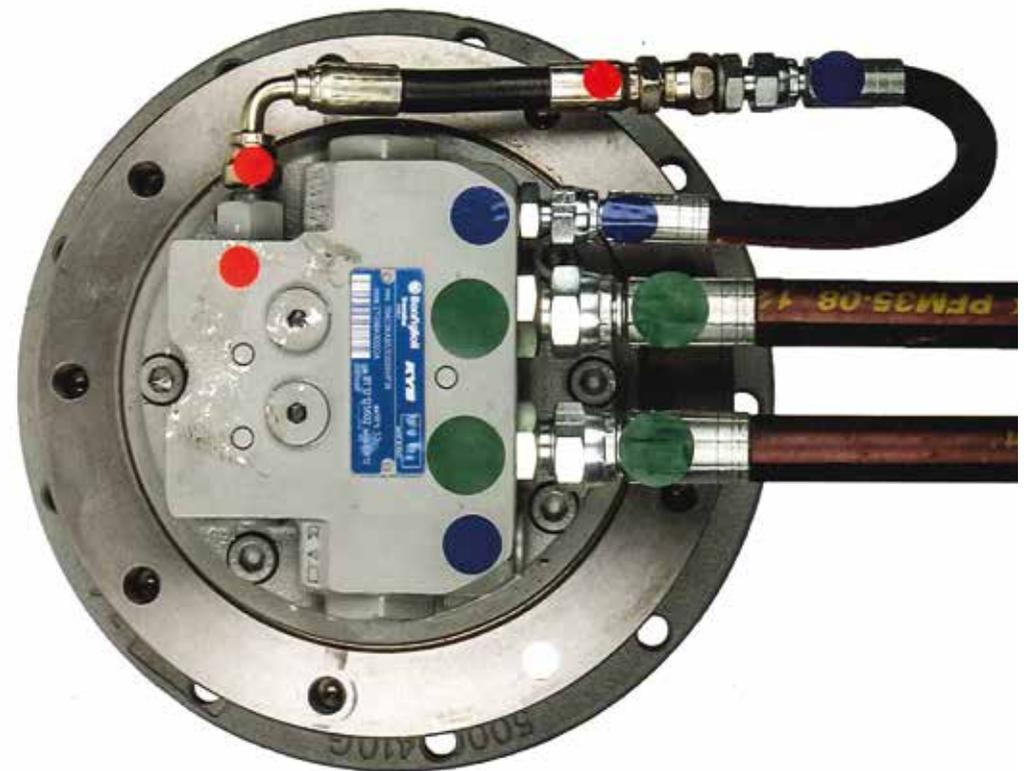
Caution: This port has a fixed size - the related fitting (supplied) should not be replaced.



For one speed drives, the **RED PORT** is not used by the machine. However to avoid pressure building up, zero pressure is achieved by attaching a hose from the free **BLUE PORT** to the **RED PORT**.

If you specified your machine was single/one speed at time of order, this modification will already have been done for you before the unit left the warehouse.

If it has not been done, please contact us so we can arrange to get the modification hose and fittings sent to you.





**IMPORTANT**  
**INCORRECT PIPING WILL RESULT IN**  
**NON-WARRANTY FAILURE**

## BEFORE INSTALLATION

- Make sure the hydraulic oil is not contaminated with metal particles as a result of the breakdown of the previous final drive.
- Clean away any dirt or muck around the area where the final drive is to be installed paying extra attention to the hydraulic hoses.
- Drain off sufficient oil in order to eliminate any particles that may have entered the system during disassembly of the previous final drive.

## DRAIN HOSE

- The drain hose can be confused with the second speed hose. You can test which one is which by placing these two hoses in a bucket.
- Connect the main hoses and start the engine setting it to minimum speed and switch excavator to second speed.
- The hose that squirts oil is the second speed hose.

## AFTER INSTALLATION

- Before starting the engine check the oil level in the final drive and if necessary top up with SAE 85W/90 or standard gear oil.
- Once all connections have been made start the engine and move the excavator backwards and forwards whilst keeping engine revs to a minimum.
- Attach a pressure gauge to the hydraulic circuit and measure the pressure which should conform to the machine manufacturer's specification.

## BLUE

Drain Port. Motor drain hose.

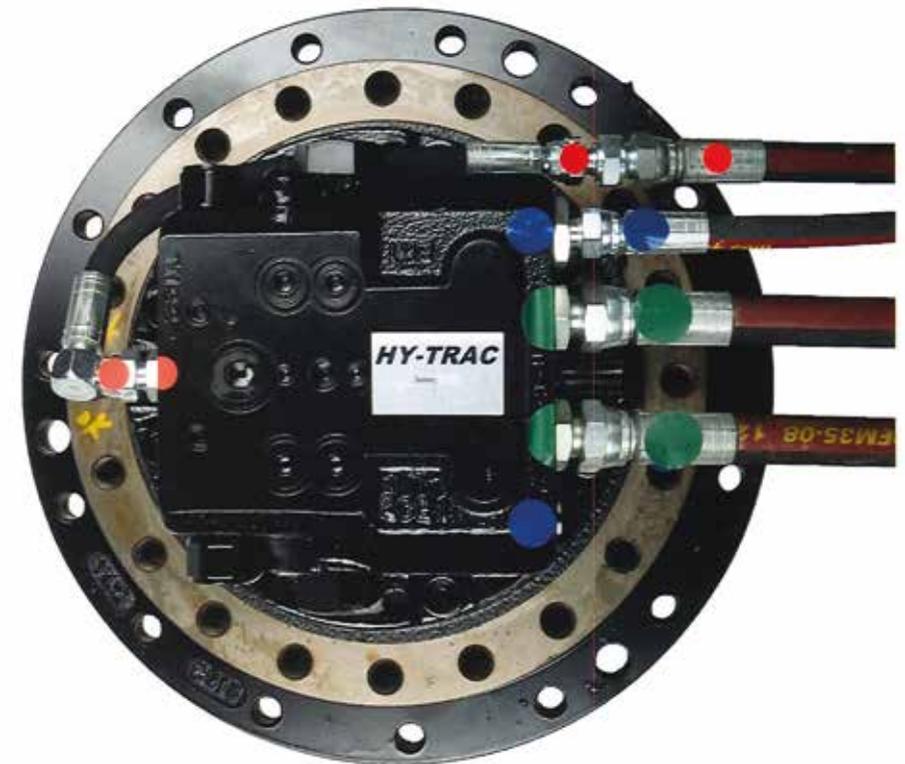
## GREEN

Main Feed Ports.  
Main high pressure forward and reverse hoses.

## RED

Second Speed Port.

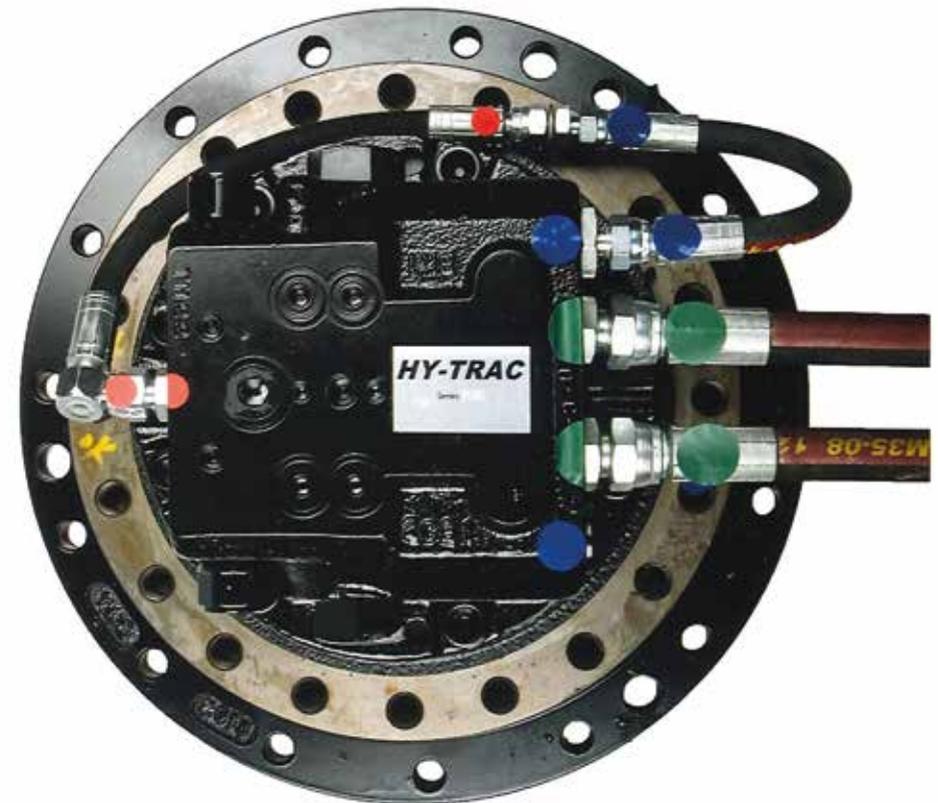
Caution: This port has a fixed size - the related fitting (supplied) should not be replaced.



For one speed drives, the **RED PORT** is not used by the machine. However to avoid pressure building up, zero pressure is achieved by attaching a hose from the free **BLUE PORT** to the **RED PORT**.

If you specified your machine was single/one speed at time of order, this modification will already have been done for you before the unit left the warehouse.

If it has not been done, please contact us so we can arrange to get the modification hose and fittings sent to you.





**FOR THE BEST ON EARTH**



**ASTRAK UK Limited**

Wheatfield Road  
Dunnikier Business Park  
Kirkcaldy, Fife, KY1 3PD

**Tel:** 0330 555 2000

**Email:** [uk@astrakgroup.com](mailto:uk@astrakgroup.com)

**Web:** [astrakgroup.co.uk](http://astrakgroup.co.uk)

**INVESTORS IN PEOPLE®**  
We invest in people Silver



ISO 9001: FS 709704



ISO 14001: EMS 713141



ISO 45001: OHS 713142