

# Oil Transfer Set

## Burner Oil Transfer Applications



OTS2 WPM 80 range



### OTS 2 WPM 80

Burner oil transfer applications

#### Identification Code

e.g.: OTS 2 WPM 80

**OTS** Oil Transfer Set

**WPM** Wilo Pumps Mono

**80** 0.80 Horse Power

#### Application

For use in industrial oil transfer applications. Capable of pumping fuels (diesel oil etc.)

#### Technical data

<b>Approved fluids</b>	Fuel Oil 28 – 35 sec
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<b>Max. head</b>	47 metres
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<b>Suction &amp; delivery size</b>	1"
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<b>Max. flow</b>	0.83 litres/sec
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<b>Voltage</b>	Single Phase 230V 50Hz
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<b>Power Input</b>	0.6 KW
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<b>Full load current</b>	4.5 amps
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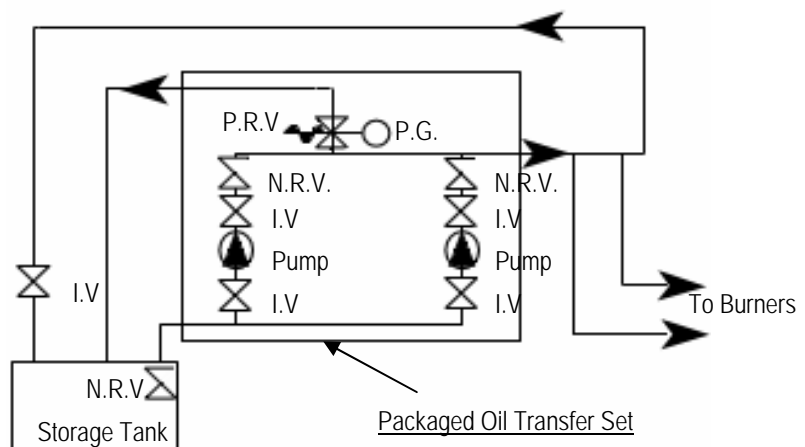
#### Features

- Two self priming pumps with brass impeller, stainless steel shaft, cast-iron pump body and bracket. Mounted on a mild steel base, with interconnecting pipe work, valves, gauges etc.
- Fast and easy to install.
- Control panel required for operation as duty/standby unit. (Wilo supply or supply by others as extra)

### Oil Transfer Set – Typical Schematic

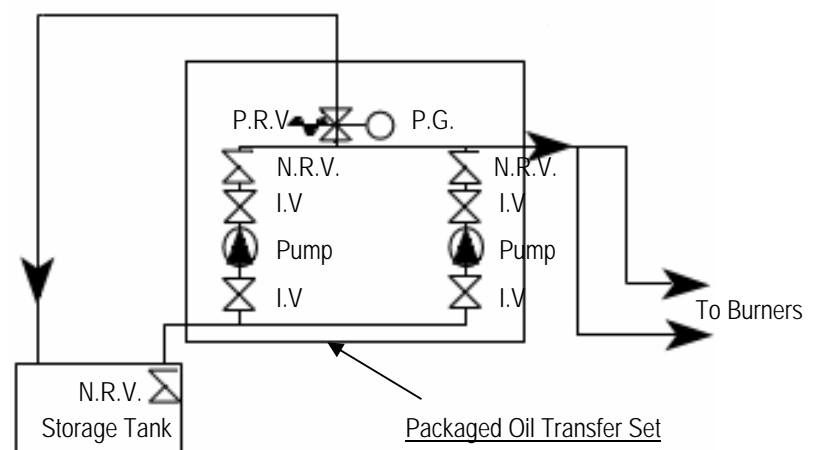
#### Legend

- I.V Isolating Valve
- N.R.V. Non-Return Valve
- P.G. Pressure Gauge
- P.R.V. Pressure Relief Valve



#### Ring Main System

This system avoids continuous use of the pressure relief valve by directing the entire flow from the transfer pump through a ring main back to the storage tank. Each burner is then branched off as required from the main. The pressure relief valve is only intended for emergency use to protect the pump and burner seals from damage should the main be closed and must be adjusted to suit on-site requirements.



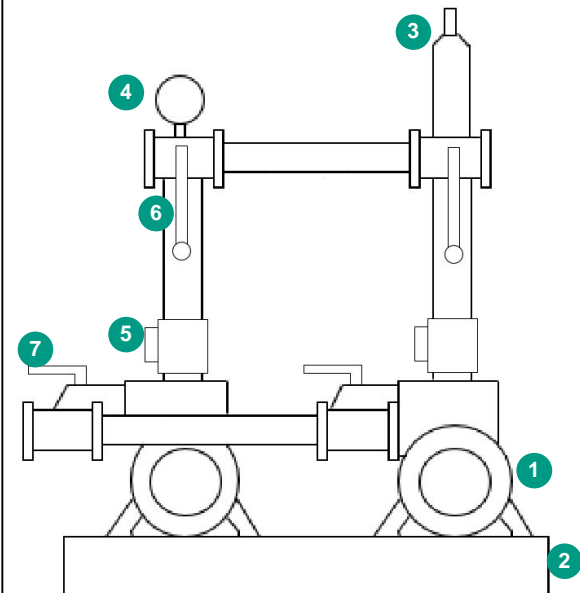
#### Dead Leg System

In this system of oil transfer, a single pipeline is taken from the transfer pump to the burners. The line is then pressurised to the minimum pressure required to enable oil to flow to the furthest point required. Any excess oil not required by the burners is then returned to the storage tank via the pressure relief valve which must be adjusted to suit on-site requirements.



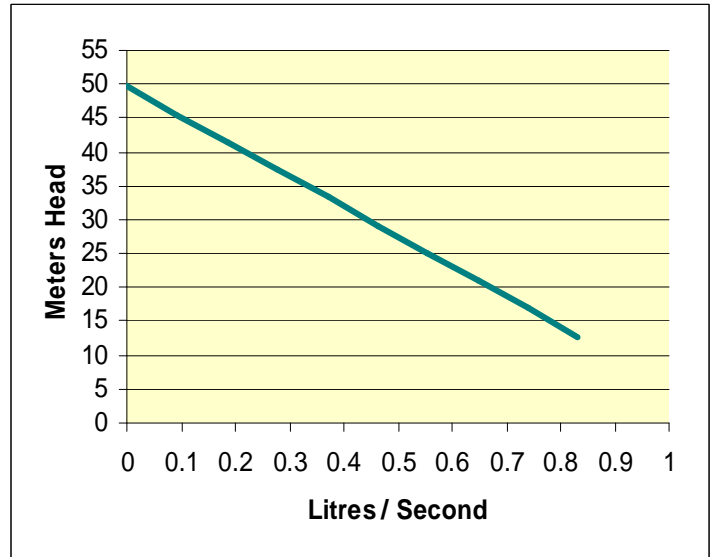
### OTS2 WPM 80 range

#### Schematic layout of typical installation



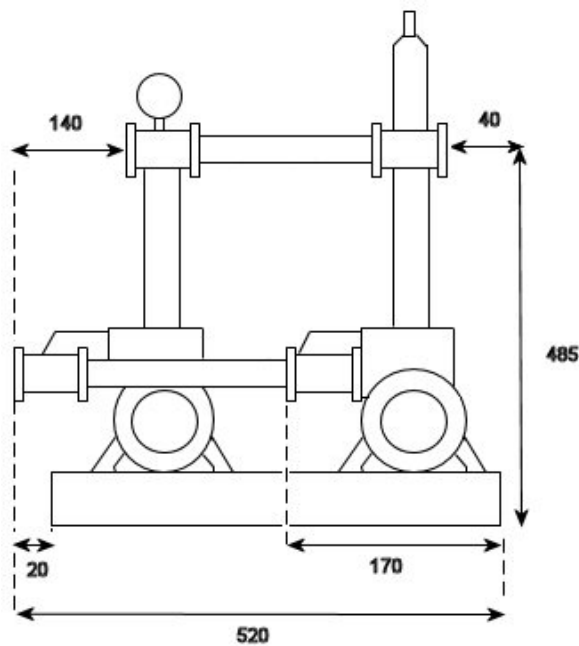
- 1 : WPM 80 Pump
- 2 : Base plate
- 3 : Pressure relief valve
- 4 : Pressure gauge
- 5 : Non-return valve
- 6 : Manual ball valve discharge
- 7 : Manual ball valve suction

#### Performance Chart for WPM 80 at 2900 RPM

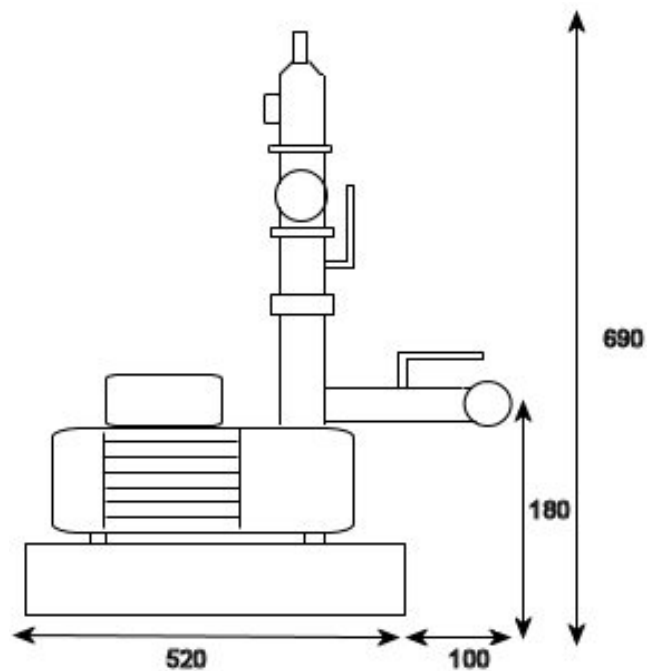


Unit designed for duty/stand-by operation. Control panel (if required) can be incorporated onto the unit or supplied separately.

#### Overall Dimensions (mm)



Front Elevation



Side Elevation