

**JISKOOT™ QUALITY SYSTEMS**

DATA SHEET S064-1105-5

# Hydraulic Extractor

**Description**

Jiskoot hydraulic extractors are designed for the safe insertion and withdrawal for maintenance of Jiskoot sampler probes, takeoffs, inturbine or JetMix™ nozzles and quills. Depending on the range of equipment to be supported only one extractor may be required to service several devices.

Versions of the hydraulic extractor are available to suit much of the 'insertable' equipment manufactured by Jiskoot (ie retractable jet heads, scoops, gas probes etc). Device compatibility should be checked with the factory for each application.

**Operation**

The hydraulic extractor uses hydraulic cylinders, which are bolted to the device to be inserted or withdrawn. The hydraulic extractor may be used to insert or retract devices from either pressurised or unpressurised pipelines. Where sufficient pressure exists to eject the insertion device, the extractor is used to restrain the equipment, whereas on unpressurised pipes it is used to extract the equipment from the pipeline.

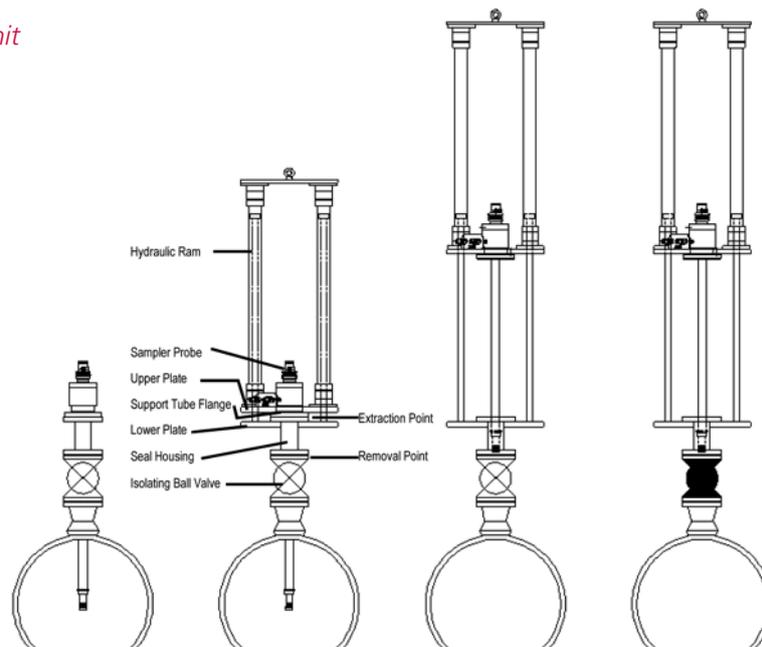
The operating sequence is illustrated by the schematic overleaf.

## Specification

| For use with  | Series 210<br>Sample Probe   | 710<br>Sample Probe   | Series 210HP<br>Sample Probe  |
|---|--|---|---|
| Maximum line pressure<br><i>(at which the extractor will operate)</i> | 91 barg<br>(1319 psig)   | 50 barg<br>(720 psig)   | 224 barg<br>(3248 psig)   |
| Hydraulic cylinders   | 36" long stroke<br>or as required                                  | 33"   | 39" long stroke   |
| Extractor attachment  | 4 x M12 set-screws   | As 210  | As 210  |
| Extractor connection  | 1/4" male ISO 'B'  | As 210  | As 210  |
| Hand pump connection  | As above   | As 210  | As 210  |
| Extractor operation   | Manual hydraulic pump  | As 210  | Manual hydraulic pump   |
| Dimensions  | Height 1045mm (41.0")<br>Width 370mm (14.6")<br>Depth 180mm (7.1") | Height 576mm (22.7")<br>Width 300mm (11.8")<br>Depth 108mm (4.3") | Height 1263mm (49.7")<br>Width 414mm (16.3")<br>Depth 180mm (7.1"). |
| Clearance required  | Consult Jiskoot for details  | Consult Jiskoot for details                                       | Consult Jiskoot for details   |
| Weight  | Extractor 27kgs (60lbs) (dry)*<br>Pump 3kgs (7lbs)                 | Pump 3kg (7lbs)   | Extractor 40kgs (88lbs) (dry)*<br>Pump 10kgs (22lbs)                |
| Hydraulic fluid   | Any mineral based<br>hydraulic fluid                               | As 210  | As 210  |

\* approx

## Hydraulic Extractor Unit



### MEASUREMENT SYSTEMS

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