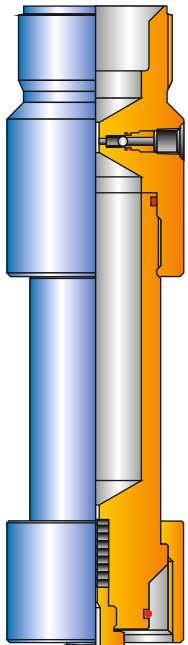


CHEMICAL INJECTION SUBS



CHEMICAL INJECTION SUB

PARVEEN Chemical Injection Sub, also known as a liquid chamber, is designed to inject inhibitor, chemicals and de-icing agents on to the wireline during routine operations. It is installed below the stuffing box or grease injection control head and used in wells with an H₂S environment, dry gas, or conditions which cause hydrate problems. The Chemical injection sub/liquid chamber incorporates a two litre chamber for fluid which is pumped by using a high pressure hand pump. It utilizes replaceable felt packings to coat the wireline and prevent the chemicals from passing downhole. The injection port is equipped with a check valve to prevent fluids from escaping. The design extends wireline and stuffing box packing life and create a smoother wireline operation.

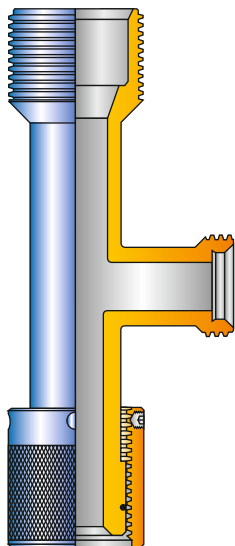
CHEMICAL INJECTION SUBS		
Pressure Rating (PSI)	Service	Part No.
5,000	H ₂ S	LCH-50XXX
10,000	H ₂ S	LCH-10XXX
15,000	H ₂ S	LCH-40XXX

Notes:

* "XXX" denotes wire size. Please specify wire size when ordering.

* Refer to the Quick Union identification chart on page no. 16 & 17 for end connections.

PUMP IN SUBS



**PUMP IN SUB
W/HAMMER
UNION ON SIDE
OUTLET**

PARVEEN Pump-In Sub is placed between the wireline BOP and the Wellhead. It is basically used to pump the fluid in to the well when the wireline BOP is closed. Pump-In Sub can also be used for injection of inhibitors and for collecting samples. The top and bottom have quick union connections and a side outlet with a wing union connection.

PUMP IN SUBS		
I.D.	W.P (PSI)	Service
2.50	5,000	STD
2.50	5,000	H ₂ S
2.50	10,000	STD.
2.50	10,000	H ₂ S
3.00	10,000	STD
3.00	10,000	H ₂ S
4.00	10,000	H ₂ S
5.12	10,000	H ₂ S
6.38	10,000	H ₂ S

Notes:

* Other sizes available on request

* Refer to the Quick Union identification chart on page no. 16 & 17 for end connections.