

STX-60



STX-60:

The STX-60 is the smallest diameter version of IPI's ST range. It employs a multi-cycle, four stage valving mechanism that allows fluid communication to either the packers, annulus, test interval or provides complete shut in. What makes the STX unique is that it can be run:

- ◆ As a wireline tool in conjunction with a 3m or longer mineral wireline coring system;
- ◆ Or, on rods/tubing – including coiled tubing.

As with all other setting tools in IPI's range, shifting between different stages is accomplished by axial movement only – no rotation is required. The multi-stage functionality enables multiple tests in a single run without pulling out of hole.

Applications:

- ◆ Permeability testing
- ◆ Hydrojacking
- ◆ Hydraulic fracturing
- ◆ Rock stress testing
- ◆ Selective stimulation
- ◆ Casing integrity testing
- ◆ Caprock integrity testing

Benefits:

- ◆ Run in on either wireline or on rods/tubing
- ◆ Ease of use - no control lines, no rod rotation, no down hole pumps required
- ◆ Inflation bypass design -no 'squeeze' pressure while inflating the straddle packers
- ◆ Zero displacement valve design - maintains accurate shut-in pressures after the tool is shifted from injection/inflow to shut-in. Prevents spiking the formation when shifting from shut-in to test zone, which can cause jacking/hydraulic fracturing.
- ◆ Balanced valve piston - the tool is in equilibrium
- ◆ Ability to circulate while shut-in
- ◆ Ability to blow down the fluid in the drill pipe/tubing whilst in circulating stage by using compressed air/nitrogen, to facilitate DST or slug withdrawal testing
- ◆ All inlet/outlet ports are protected by filter screens to prevent ingress of solids
- ◆ Emergency deflation - can be activated by over-pull in the event that the packers will not deflate by normal means
- ◆ Cased and open hole application
- ◆ Suitable for H and P size core barrels
- ◆ Direct connect to rods, for N sized boreholes
- ◆ Can run impression packers



STX-60

STX-60
on
Wireline



STX-60
on
Tubing



Single
Packer
System



Straddle
Packer
System



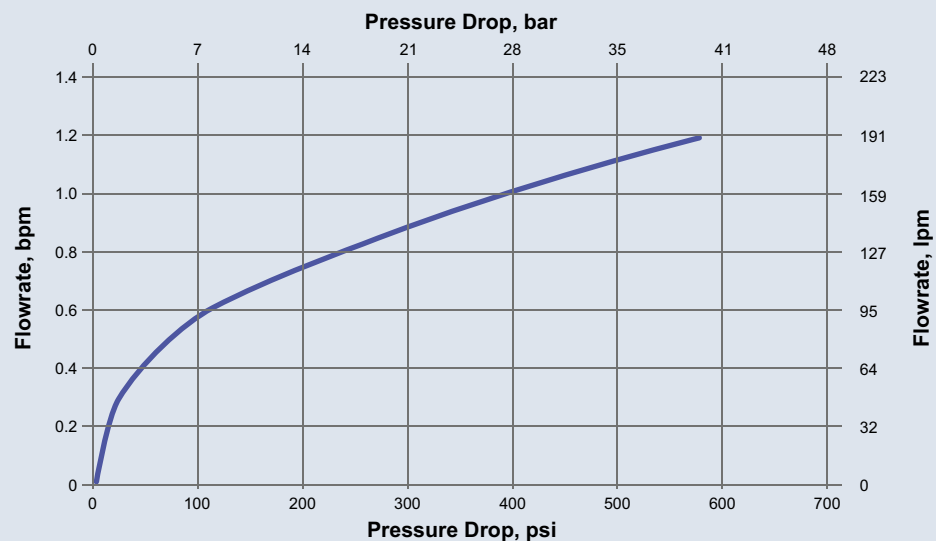
Compatible Packer Systems:

Packer Size		Wireline		Run on Pipe	
mm	in	Hole Size	Max. Pressure	Hole Size	Max. Pressure
57	2 ¼	HQ (Ø96 mm)	2500 psi	Ø76 mm	5000 psi
				Ø96 mm	2500 psi
60	2 ⅜	HQ (Ø96 mm)	1500 psi	Ø76 mm	2500 psi
				Ø96 mm	2000 psi
67	2 ⅝	PQ (Ø122 mm)	2500 psi	Ø96 mm	5000 psi
				Ø140 mm	1700 psi
70	2 ¾	PQ (Ø122 mm)	1500 psi	Ø96 mm	2000 psi
				Ø122 mm	1500 psi
86	3 ⅜	N/A	N/A	Ø96 mm	5000 psi
				Ø152 mm	2000 psi

Specifications:

	STX-60
Minimum Tool Diameter	60 mm
Run in Mineral Wireline Coring System	HQ or PQ size
Run in on Tubing/Pipe	NQ, HQ & PQ
Max. Pressure Rating	5000 psi (34.5 Mpa)
Max. Temperature Rating*	70°C (158°F)
Max. Pull (Emergency deflate)	4.4 T (9,700 lbs)
Max. Axial Load (1.6 safety factor)	13.5 T (29,762 lbs)

Pressure vs. Flow:



* Maximum temperature rating on a standard tool. Tools requiring higher temperatures can be supplied, as well as change over kits to existing tools to a maximum temperature of 130°C / 266°F.

