



## 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

### FEATURES:

- 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

STX-60  
ON WIRELINE



STX-60  
ON TUBING



SINGLE  
PACKER  
SYSTEM



STRADDLE  
PACKER  
SYSTEM



## STX-60

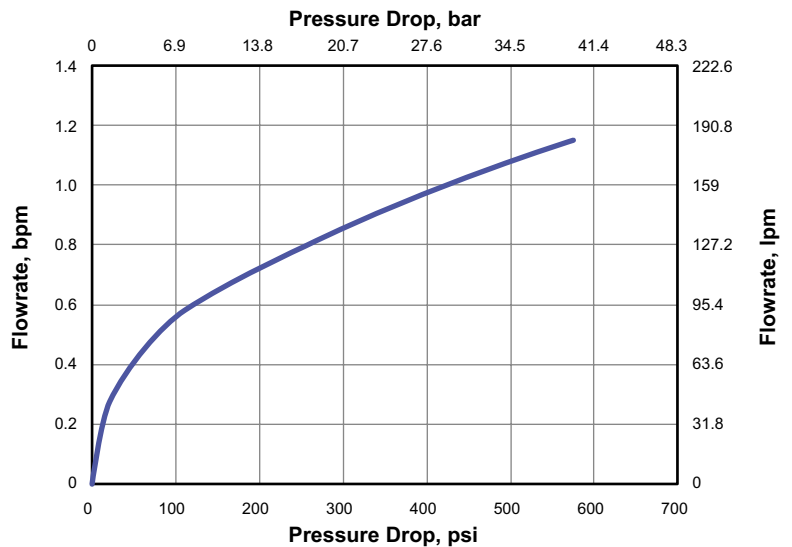
### COMPATIBLE PACKER SYSTEMS:

Packer Size		Wireline		Tubing	
in	mm	Hole Size	Max. Pressure (psi)	Hole Size	Max. Pressure (psi)
2.25	57	HQ (Ø96mm)	2500	Ø76mm	5000
				Ø96mm	2500
2.375	60	HQ (Ø96mm)	1500	Ø76mm	2500
				Ø96mm	2000
2.625	67	PQ (Ø122mm)	2500	Ø96mm	5000
				Ø140mm	1700
2.75	70	PQ (Ø122mm)	1500	Ø96mm	2000
				Ø122mm	1500
3.375	86	N/A	N/A	Ø96mm	5000
				Ø152mm	2000

### SPECIFICATIONS:

Minimum Tool Diameter	60mm
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 (9700 lb)
Max. Axial load (1.6 safety factor)	13.5 T (29,762 lb)

### 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.