



SAVES TIME & MONEY



SELF-CENTERING ISOLATION & TEST (SCIT) TOOL



IMPROVE OPERATOR EFFICIENCY

- Provides a **safe and efficient** method for inline piping isolations and localized pressure testing of new welds
- Makes traditional system hydrotesting methods for piping modifications **obsolete**



GREATER USABILITY & APPLICATION COVERAGE

- The lightest weight tools with higher test pressure capacity than **ANY OTHER** mechanically actuated tools
- Low profile, durable, aluminum construction
- Allows **ONE** operator to lift isolate and test behind elbows and tees with standard tools



LOWER TOTAL COST OF OWNERSHIP

- Dual-purpose isolation + hydrotest tools
- Outperform other inline tools with **multi pipe schedules** covered per tool
- Inexpensive seals and seal backing rings

SELF-CENTERING ISOLATION & TEST (SCIT)



Greater Usability & Application Coverage



Less tools required covering the full range of schedules



Reach Max test pressure on every schedule (up to 5,000 psi)



SELF-CENTERING

Vital's self-centering mechanism creates an operator-friendly experience and a **consistent leak-free seal**.

- Minimal training as no specific bolt pattern is required
- Cost-effective replaceable seals are schedule-specific

PATENTED TECHNOLOGY

Vital uses patented double block and bleed technology to achieve isolation and a positive barrier that is not only safe but verified by monitoring the pressure on the seal and behind the tool.

- Vital's proprietary technology provides a stronger and more reliable seal
- Hydrodynamic capabilities keep process piping cool for post weld heat treat (3" and above)
- Safely weld on hydrocarbon lines with a positive isolation
- Test just the weld with relative ease up to 5000 PSIG

FEWER TOOLS TO MANAGE

Compared to its competitors, Vital tools allow you to use fewer tools as all tools are Combination Isolation and Test Tools that accommodate multi-schedules via swapping out seals. The slim and lightweight design means no crane is required typically.

EXAMPLE: 2 TOOLS COVER 11 SCHEDULES

8" TOOL MULTI SCHEDULE			
Nominal Pipe Size	Schedule Tool Size	Schedule Pipe	Seal Set Code
INCH		INCH	
8	A	10	8A-10
		20	8A-20
		30	8A-30
		STD/40	8A-STD
		60	8A-60
		XS/80	8A-XS
	B	100	8B-100
		120	8B-120
		140	8B-140
		XX	8B-XX
		160	8B-160



INTERCHANGEABLE SEALS TO COVER MORE SCHEDULES PER TOOL

DOUBLE BLOCK AND BLEED TECHNOLOGY

Double block and bleed technology assures **vapour-free isolation** for hot work. Vapour is vented to a safe area, eliminating back pressure build-up. Achieve a positive hydrostatic barrier verified by pressure monitoring.

SAVE WATER

You'll also see significant water savings. **Less than one litre** of medium is required for a 24" test.

ELBOW AND TEE APPLICATIONS

- Slim design capable of elbow and tee applications (6" and above)
- Able to test mismatched schedules
- The interchangeable seals can accommodate multiple schedules.



FEATURES

Dual-Purpose
Multi-Schedule
High Pressure
Light Weight
¾" thru 40" ++
Custom Designs

MINIMIZE

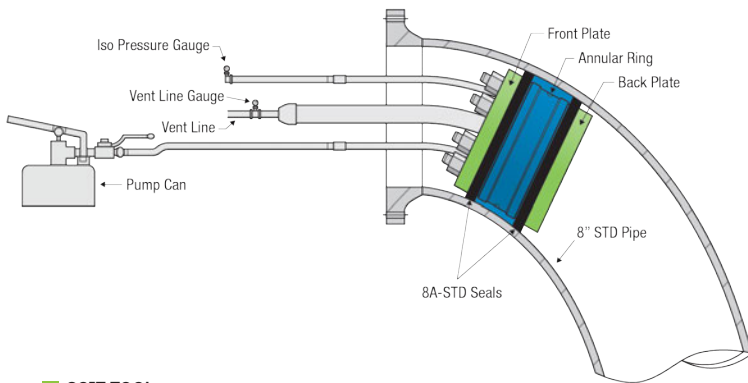
Downtime
Third Party Call-Ins
Setup
Labor
Water & Liquid Usage
Less than 1 gallon



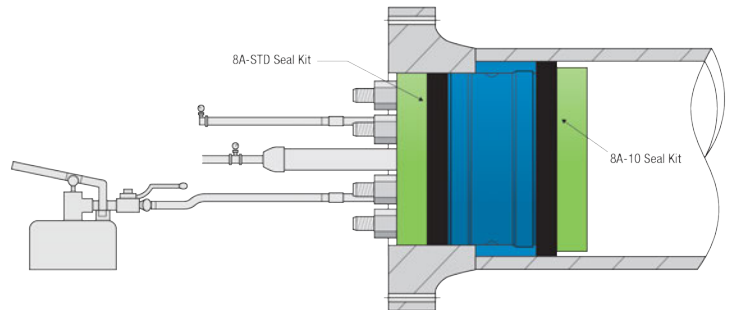
COMPETITIVE COMPARISON

	VITAL INDUSTRIAL SOLUTIONS	Company A	Company B	Company C	Company D	Company E	Company F
Combination Iso & Test	✓	✓	✓	✗	✓	✗	✓
High Pressures (>3500psi)	✓	✗	Special	✗	✓	✓	✗
Self-Centering	✓	✗	Limited	✗	✓	✗	Limited
Inexpensive Seals	✓	✗	✗	✗	✗	✓	✗
Easy to Install	✓	✓	✓	✓	✓	✗	✗
Mismatched Schedules	✓	✗	✗	✓	Accessory	✓	✗
Multi-Schedule	✓	Limited	✗	Limited	Accessory	✗	✗
Lightweight	✓	✗	✗	✗	Heavy	✗	✗
install in Elbows	✓	✗	✗	✗	✗	✓	✗
Install in Tees	✓	✗	✗	✗	✗	✓	✗
Hydrodynamic	✓	✓	✓	✗	✗	✓	✗

VITAL ISOLATION IN ELBOW



MISMATCHED SCHEDULES



- SCIT TOOL
- WATER
- SEAL

DOUBLE MULTI-BOLT ISOLATION ON TEE

