

▼ Shown: MITT6A, MITT16A, MITT2A, MITT1A



Ultimate Versatility in Piping Isolation and Pressure Testing



Inline Isolation and Test Tools

MITT-series tools obsolete traditional pipe cleaning and hydrotesting methods used for maintenance and construction operations.

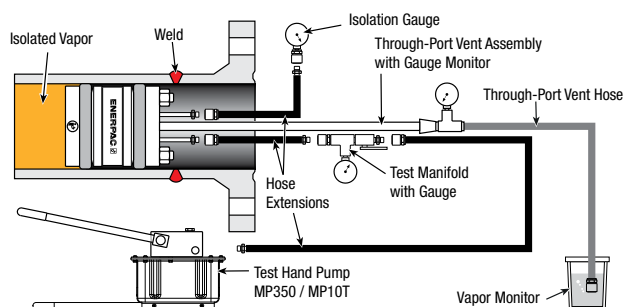
The MITT series tools improve safety by limiting the test pressure volume and reduce downtime by eliminating cleaning requirements.

Key benefits of the tools include:

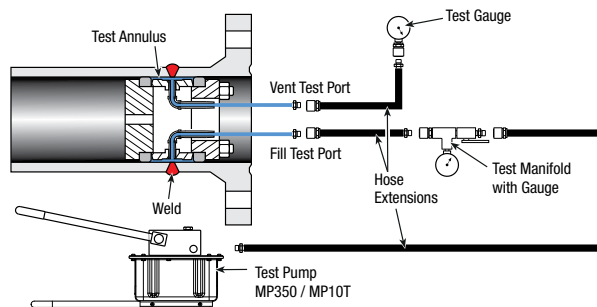
- Significantly reduce maintenance project timelines
- Safely perform welding on hydrocarbon lines with the peace of mind of a positive pressurized hydrostatic isolation
- Achieve significant reduction in wastewater (<1/4 gallon of water required for a 24-inch test)
- Patent Pending

- **Combination Isolation and Test Tool** assures vapor-free isolation for hot work and high-pressure capability between seals for testing welds with one tool
- **Multi-schedule capability** – up to 6 schedules covered per tool, 40 tools cover 154 pipe diameter / schedule combinations
- **Lightweight, slim and versatile design** – no crane required, able to mount in elbows and tees, able to test mismatched schedules
- **High-pressure capability** – test welds with relative ease up to 4500 psi
- **Self-centering tools** are user-friendly and require minimal training
- **Hydrodynamic capability** for heat treating

MITT Isolation / Vapor Barrier Arrangement



MITT Isolation Pressure Test Arrangement



Nominal Pipe Diameter	Model Number	Pipe Schedules Covered	Max. Tool Pressure Rating	Tool Body Diameter	Overall Length	Stud, Nut, Washer Size	Pressure Port Size	Wt.
(in)			(psi)	(in)	(in)	(in)	(ASME NPT)	(lbs)
3/4	MITT075A	5, 10, STD/40	4500	0.7	14	1/8"	Female 1/8"	1.7
	MITT075B	XS/80, 160	4500	0.6	14	1/8"	Female 1/8"	1.5
1	MITT1A	5, 10, STD/40	4500	0.9	14	1/8"	Female 1/8"	1.9
	MITT1B	XS/80, 160	4500	0.7	14	1/8"	Female 1/8"	1.6
1 1/4	MITT125A	5, 10, STD/40 XS/80	4500	1.1	14	1/4"	Female 1/4"	2.9
1 1/2	MITT150A	5, 10, XS/80	4500	1.4	14	1/4"	Female 1/4"	4.1
	MITT150B	160	4500	1.1	14	1/4"	Female 1/4"	3.4
2	MITT2A	5, 10, STD/40, XS/80	4500	1.8	14	1/4"	Female 1/4"	5.4
	MITT2B	160, XS	4500	1.4	14	1/4"	Female 1/4"	4.3
3	MITT3A	5, 10, STD/40, XS/80	4500	2.8	7	3/8"	Male 1/8"	5
	MITT3B	160, XS	4500	2.3	7	3/8"	Male 1/8"	4.5
4	MITT4A	5, 10, STD/40, 60, XS/80	4500	3.7	7	5/16"	Male 1/8"	5.59
	MITT4B	120, 160	4500	3.2	7	5/16"	Male 1/8"	4.81
	MITT4C	XS	4500	3.0	7	5/16"	Male 1/8"	4.25
6	MITT6A	10, STD/40, 60	4500	5.7	7	5/8"	Male 1/4"	13
	MITT6B	XS / 80, 120	4500	5.4	7	5/8"	Male 1/4"	12
	MITT6C	160, XS	4500	4.8	7	5/8"	Male 1/4"	10
8	MITT8A	10, 20, 30, STD/40, XS/80	4500	7.4	7	5/8"	Male 1/4"	19
	MITT8B	100, 120, 140, XS, 160	4500	6.6	7	5/8"	Male 1/4"	16
10	MITT10A	20, 30, STD/40, XS/60, 80	4500	9.4	7	5/8"	Male 1/4"	29
	MITT10B	100, 120, XS/140, 160	4500	8.4	7	5/8"	Male 1/4"	25
12	MITT12A	10, 20, 30, STD, 40, XS	4500	11.6	7	5/8"	Male 1/4"	43
	MITT12B	60, 80, 100, XS/120	4500	10.7	7	5/8"	Male 1/4"	41
	MITT12C	140, 160	4500	9.8	7	5/8"	Male 1/4"	32
14	MITT14A	10, 20, STD/30, 40	4500	12.8	7	5/8"	Male 1/4"	45
	MITT14B	XS, 60, 80	4500	12.8	7	5/8"	Male 1/4"	42
	MITT14C	100, 120, 140, 160	4500	11.1	7	5/8"	Male 1/4"	38
16	MITT16A	10, 20, STD/30, XS/40, 60	4500	14.6	7	5/8"	Male 1/4"	54
	MITT16B	80, 100	4500	13.6	7	5/8"	Male 1/4"	48
	MITT16C	120, 140, 160	4500	12.8	7	5/8"	Male 1/4"	45
18	MITT18A	10, 20, STD, 30, XS, 40	4500	16.5	7	5/8"	Male 1/4"	64
	MITT18B	60, 80	4500	15.8	7	5/8"	Male 1/4"	60
	MITT18C	100, 120	4500	14.9	7	5/8"	Male 1/4"	55
	MITT18D	140, 160	4500	14.1	7	5/8"	Male 1/4"	52
20	MITT20A	10, STD/20, XS / 30	4500	18.9	7	5/8"	Male 1/4"	80
	MITT20B	40, 60	4500	18.0	7	5/8"	Male 1/4"	73
	MITT20C	80, 100	4500	17.1	7	5/8"	Male 1/4"	67
	MITT20D	120, 140	4500	16.1	7	5/8"	Male 1/4"	61
	MITT20E	160	4500	15.7	7	5/8"	Male 1/4"	60
22	MITT22A	STD, XS	4500	20.6	7	5/8"	Male 1/4"	89
	MITT22B	60, 80	4500	19.4	7	5/8"	Male 1/4"	81
	MITT22C	100, 120	4500	18.4	7	5/8"	Male 1/4"	75
	MITT22D	140, 160	4500	17.4	7	5/8"	Male 1/4"	69
24	MITT24A	10, STD/20, XS, 30	1150	22.6	7	5/8"	Male 1/4"	99
	MITT24B	40, 60	2250	21.7	7	5/8"	Male 1/4"	94
	MITT24C	80, 100	3375	20.6	7	5/8"	Male 1/4"	88
	MITT24D	120, 140	4500	19.5	7	5/8"	Male 1/4"	82
	MITT24E	160	4500	18.9	7	5/8"	Male 1/4"	80
26	MITT26A	10, STD, XS	1150	24.6	7	55/8"	Male 1/4"	115
30	MITT30A	10, STD, XS/20, 30	1150	28.6	7	5/8"	Male 1/4"	147
	MITT30B	40	1150	28.1	7	5/8"	Male 1/4"	140
32	MITT32A	10, STD, XS/20, 30	1150	30.6	7	5/8"	Male 1/4"	158
	MITT32B	40	1150	30.3	7	5/8"	Male 1/4"	155
34	MITT34A	10, STD, XS/20, 30	425	32.6	7	5/8"	Male 1/4"	168
	MITT34B	40	425	32.2	7	5/8"	Male 1/4"	165
36	MITT36A	10, STD, XS	425	34.6	7	5/8"	Male 1/4"	187
38	MITT38A	STD, XS	425	36.6	7	5/8"	Male 1/4"	208
40	MITT40A	STD, XS	425	38.6	7	5/8"	Male 1/4"	230

MITT Series



Pipe Diameters:

3/4 - 40 inches

Water Capacity per Test:

0.10 - 0.75 gallon

Maximum Test Pressure:

4500 psi



Cost-Effective Spares

Buna 90 shore hardness seals and stainless steel seal backing rings provide additional pressure capacity for a low cost.



Ancillary Kit – MITTAK

All ancillary components required to safely isolate piping and test new welds (includes manual valves, gauge set, hoses, hand tools, fittings).



Pump and Reservoir

To match the full capability of the tools, the **MP350** hand pump and **MP10T** reservoir are recommended.

▼ MITT2A tool being torqued in a test stand for high-pressure testing.

