

Testers

HYDRAULIC

50, 75 & 200 GPM

HYDRAULIC TOOLS



HT50A



HT200

50-, 75- AND 200-GPM INLINE HYDRAULIC TESTERS

- Accurately measure oil flow, pressure and temperature on in-plant equipment, forklifts, machine tools and more.
- Temperature and flow readings are in Metric and English, accurate to within $\pm 2\%$ of full scale.
- Dual pressure gauges for high and low pressure readings; low pressure gauge is automatically shut off and protected as pressure rises beyond its maximum reading.
- Automatic pressure compensating fea-

- ture lets you increase flow without affecting pressure setting.
- Reverse flow through tester will not cause damage; replaceable safety disc ruptures if pressure exceeds upper limit.
- Solid state voltage regulator eliminates errors caused by voltage change during testing.

50-, 75- AND 200-GPM INLINE HYDRAULIC TESTERS

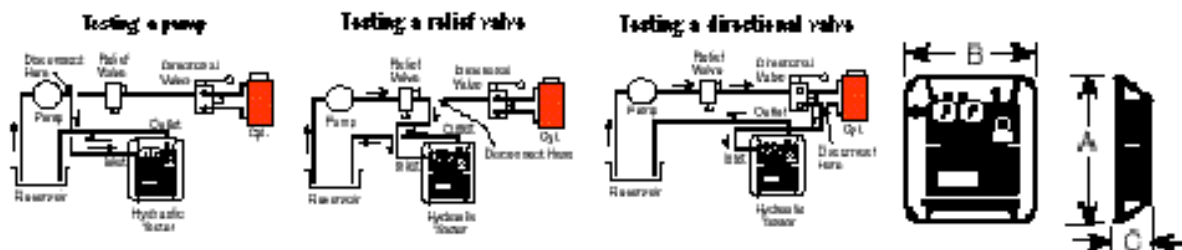
- Troubleshoots systems with capacities to 200 gpm at pressures less than 5,000 psi. Accurately measure oil flow

to $\pm 5\%$, pressure to within 2% and temperature readings within 1%.

- Pressure gauge is liquid filled to dampen system pulsation.

For more precise low pressure readings, an optional dual pressure gauge kit is available (see page 193).

HT50A – Hydraulic circuit tester with single liquid filled pressure gauge, 0-5,000 psi, 0-354 bar. Includes two adapter unions for $\frac{1}{4}$ " male NPT fittings. Wt., 3.7 lbs.



Order Number	Max. Flow (gpm)	Flow Ranges (gpm)	Max. Oper. Pressure (psi)	Temp. Scale Range (°F)	Part Size	Weight (lbs.)	A (mm)	B (mm)	C (mm)						
										Max. Scale	min	in.	Bar	°C	in.
HT50A	50	—	0-50 0-200	5,000	345	20-240	6 to 114	1 1/2	6	10	30.3	15.8	127 (311)	152 (38)	254 (10)
HT75	75	High Low	15-75 3-15 50-200 10-60	5,000	345	100-250	40-120	1 3/4	1 1/2	5	18.2	8.6	139.7 (349.25)	114.3 (301.62)	127 (146.06)
HT200	200	High Low	25-200 5-40 100-750 20-150	5,000	345	100-250	40-120	1 3/4	1 3/4	6	28.2	13.6	187.8 (403.47)	139.7 (336.55)	152 (171.45)

For a complete listing of accessories for the HT series of hydraulic system testers, see pages 193-194.
*Not included, must be ordered separately; see page 194.

DUAL GAUGE CONVERSION KIT FOR 50 GPM TESTER.

Provides more precise low pressure readings. Remove pressure gauge block and gauge from tester and replace it with this block. Install high pressure gauge from tester (0-5,000 psi) onto this new block.

No. 307281 – Dual gauge conversion kit. Consists of gauge mounting block, pulsation dampener, thermal overload protector, low pressure gauge and gauge protector. Wt. 1 lb



307281

307281 Low pressure gauge calibrated 0-600 psi 0.42 bar

37045



204990

Auxiliary power cords for use with 75 and 200 gpm testers

No. 37045 – Auxiliary power cord. For use with any 12 or 24 volt battery to remotely power tester. Wt. 0.1 lb.
CAUTION: For use on negative ground systems only.

No. 204990 – Auxiliary power converter. Permits use of 120/230 volt outlet to power tester. Wt. 1 lb.

9785 9786 8987 9788



Hoses

No. 9785 – Hose, 3/4" I.D. x 3/4" NPTF male both ends. 10 ft. length. 2,250 psi working pressure. (2 req'd on 50 and 75 gpm testers) Wt., 0.7 lb.

The following hose assemblies are all 4 ply spiral wound wire, 10 ft. long. For use with 200 gpm testers

No. 9786 – Hose, 1" I.D. x 1 1/4" NPT male both ends. Recommended max. flow 90 gpm, with a working pressure of 4,000 psi. Wt., 14 lbs.

No. 9787 – Hose, 1 1/4" I.D. x 1 1/2" NPT male both ends. Recommended max. flow 140 gpm, with a working pressure of 3,000 psi. Wt., 21 lbs.

No. 9788 – Hose, 1 1/2" I.D. x 1 1/2" NPT male both ends. Recommended max. flow 200 gpm, with a working pressure of 2,500 psi. Wt., 25 lbs.

203264



Hose reducer bushings

No. 203264 – Consists of two hose reducer bushings, 1 1/4" NPT female x 1 1/2" NPT male end. Needed to adapt No. 9786 1" I.D. hose and No. 9787 1 1/4" I.D. hose to tester. Wt., 2.2 lbs

Hydraulic Tester

SERVICE ACCESSORIES

Fittings/adapters For the 200 gpm hydraulic tester

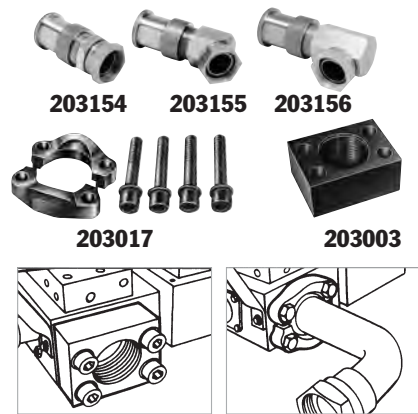
Attach to the HT200 hydraulic tester by the use of flanged-head adapters and split flanges, or by a set of female straight adapters.

HYDRAULIC TOOLS

FLANGED HEAD ADAPTER UNIONS AND SPLIT FLANGE KIT

- No. 203154** – Straight flange adapter. 1½" flanged-head to 1½" NPSM female swivel. Wt., 2.2 lbs.
- No. 203155** – 45° flange adapter. 1½" flanged-head by 1½" NPSM female swivel. Wt., 3.2 lbs.
- No. 203156** – 90° flange adapter. 1½" flanged-head by 1½" NPSM female swivel. Wt., 4.2 lbs.
- No. 203017** – Split flange kit. Consists of four flange halves and attaching bolts to permit use of 1½"

I.D. flange adapters listed at left. Wt., 2.9 lbs.



FEMALE STRAIGHT FLANGE ADAPTER

- No. 203003** – Consists of two female straight flange adapters with attaching bolts. When attached to inlet/outlet ports, allows connection of 1½" NPT male hose ends to tester. Wt., 8.5 lbs.

HYDRAULIC FITTINGS FOR USE WITH ALL TESTERS.

	No. 16954 – 90° swivel adapter, ¾" NPTF male x ¾" NPSM female. Wt., 0.8 lb.		No. 26073 – Swivel adapter, ¾" NPTF female x ½" NPSM female. Wt., 0.3 lb.
	No. 22041 – Coupler, ¾" NPTF male x ¾"-16 female ORB. Wt., 0.5 lb.		No. 26074 – 45° swivel adapter, ¾" NPSM female x ¾" NPTF male. Wt., 0.6 lb.
	No. 22042 – Coupler, ¾" -16 female ORB x 1½"-12 female 37° JIC. Wt., 0.4 lb.		No. 26075 – Swivel adapter, ¾" NPSM female x ¾" NPTF female. Wt., 0.4 lb.
	No. 22043 – Coupler, ¾" -16 female ORB x 9/16"-18 female 37° JIC. Wt., 0.4 lb.		No. 26076 – Swivel adapter, ¾" NPTF male x ¾" NPSM female. Wt., 0.4 lb.
	No. 22044 – Coupler, ¾" -16 female ORB x 1½"-20 female 37° JIC. Wt., 0.4 lb.		No. 26077 – Cap, ¾" NPTF. Wt., 0.6 lb.
	No. 27737 – Swivel adapter, ¾" -16 male x ¾" NPSM female. For use with No. 9785 hose, which has ¾" NPTF male thread. Wt., 0.3 lb.		No. 26078 – Plug, ¾" NPTF. Wt., 0.3 lb.
	No. 27287 – Coupler, ¾" -16 UNF female ORB x 7/8"-14 UNF female 37° JIC. Wt., 0.4		No. 26079 – Adapter, ¾" NPTF female x 1½"-12 male ORB. Wt., 0.4 lb.
	No. 13449 – Cap, 1½"-12 UNF female, ¾" O.D. tube, 37° flare. Wt., 0.2 lb.		No. 208402 – 45° union adapter, 7/8"-14 UNF male 37° JIC x ¾" NPTF female. 3,000 psi working pressure. Wt., 0.6 lb.
	No. 26068 – 45° swivel adapter, 1" NPTF male x ¾" NPSM female. Wt., 0.8 lb.		No. 208401 – 45° union adapter, 7/8"-14 UNF male 37° JIC x ¾" NPTF female. Wt., 0.7 lb.
	No. 26069 – Swivel adapter, 1" NPTF female x ¾" NPSM female. Wt., 0.5 lb.		No. 206753 – Coupler, 1½"-12 UNF female 37° JIC x ¾" NPTF female. Wt., 1.1 lbs.
	No. 26070 – Adapter, 1" NPTF male x ¾" NPTF female. Wt., 0.3 lb.		No. 26666 – Connector, 1½"-12 UNF male 37° JIC x ¾" NPTF male. Wt., 0.4 lb.
	No. 26071 – Service tee, ¾" NPTF female (2) x ¾" NPTF male. Wt., 0.9 lb.		No. 28984 – Straight adapter, ¾" NPTF female x 1½"-12 UN male 37° JIC. Wt., 0.6 lb.
	No. 26072 – Swivel adapter, ¾" NPSM female x ½" NPTF male. Wt., 0.4 lb.		No. 28985 – Straight adapter union, 1½"-12 UN female 37° JIC x ¾" NPTF female. Wt., 1.3 lbs.