

# Testers

## HYDRAULIC

200,300  
and 750 l/min

HYDRAULIC TOOLS



HT50A



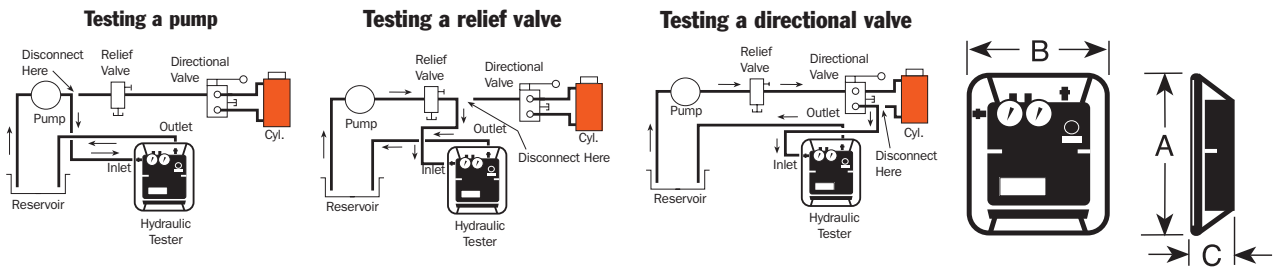
HT200

### 200 , 300 AND 750 L/MIN IN-LINE 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 feature 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.
- Troubleshoots systems with capacities to 750 l/min at pressures less than 350 bar. 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 183).

**No. HT50A** – Hydraulic circuit tester with single liquid filled pressure gauge, 0-5000 psi, 0-350 bar. Includes two adapter unions for 3/4" male NPTF fittings. Wt., 16,8 kg.



Order Number	Max Flow		Flow Ranges		Max. Oper. Pressure		Temp. Scale Range		Port Sizes	Weight lbs.	kg.	A in. (mm)	B in. (mm)	C in. (mm)
	(l/min)	Scale	(gpm)	(l/min)	psi	(bar)	°F	°C						
HT50A	200	—	0-50	0-200	5,000	345	20-240	-6 to 114	1 <sup>1</sup> / <sub>16</sub> -12UN Female "O" Ring with Union Adapt. 3/4" Female NPTF	30.3	16.8	12 <sup>1</sup> / <sub>4</sub> (311)	6 <sup>1</sup> / <sub>4</sub> (159)	10 (255)
HT75	300	High Low	15-75 3-15	50-300 10-60	5,000	345	100-250	40-120	3/4" NPT Swivel	18.2	8.6	13 <sup>3</sup> / <sub>4</sub> (349,25)	11 <sup>7</sup> / <sub>8</sub> (301,62)	5 <sup>3</sup> / <sub>4</sub> (146,05)
HT200	750	High Low	25-200 5-40	100-750 20-150	5,000	345	100-250	40-120	1 <sup>1</sup> / <sub>2</sub> "* SAE Split Flange	28.2	13.6	15 <sup>7</sup> / <sub>8</sub> (403,47)	13 <sup>3</sup> / <sub>4</sub> (336,55)	6 <sup>3</sup> / <sub>4</sub> (171,45)

For a complete listing of accessories for the HT series of hydraulic system testers, see pages 183-184.  
\*Not included, must be ordered separately, see page 184.

### 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 (350 bar) 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. 0,45 kg.



**307281**

**307281** Low pressure gauge calibrated 0-600 psi 0-42 bar.

**37045**



### Auxiliary power cords for use with 300 and 750 l/min testers

**No. 37045** – Auxiliary power cord. For use with any 12 or 24 volt battery to remotely power tester. Wt. 0,5 Kg. CAUTION: For use on negative ground systems only.

**No. 204990** – Auxiliary power converter. Permits use of 120/230 volt outlet to power tester. Wt. 0,5Kg.

**204990**



**9785  
9786  
8987  
9788**



### Hoses

**No. 9785** – Hose, 19,1 mm I.D. x 3/4" NPTF male both ends. 3 m length. 155 bar working pressure. (2 req'd on 200 and 300 l/min testers) Wt., 3kg. The following hose assemblies are all 4-ply spiral wound wire, 3 m long. For use with 750 l/min testers.

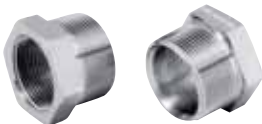
**No. 9786** – Hose, 25,4 mm I.D. x 11/4" NPT male both ends. Recommended max. flow 340 l/min, with a working pressure of 280 bar. Wt., 6,3 kg.

**No. 9787** – Hose, 31,8 mm I.D. x 11/4" NPT male both ends. Recommended max. flow 530 l/min, with a working pressure of 210 bar. Wt., 6,4 kg.

**No. 9788** – Hose, 38,1 mm I.D. x 11/2" NPT male both ends. Recommended max. flow 750 l/min, with a working pressure of 175 bar. Wt., 11,4 kg.

**203264**

### Hose reducer bushings



**No. 203264** – Consists of two hose reducer bushings, 11/4" NPT female x 11/2" NPT male end. Needed to adapt No. 9786 25,4 mm I.D. hose and No. 9787 31,8 mm I.D. hose to tester. Wt., 1 kg.

# Hydraulic Tester

## SERVICE ACCESSORIES

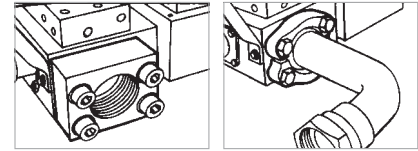
### Fittings/adapters For the 750 l/min hydraulic tester

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




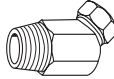
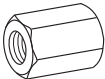


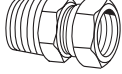
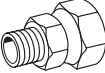

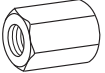

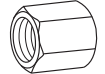
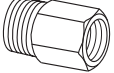
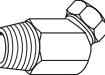
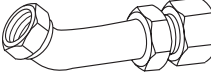
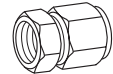
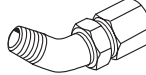

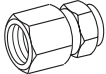

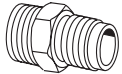
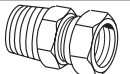
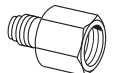

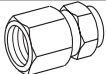
- No. 203154** – Straight flange adapter. 38,1 mm flanged-head to 11/2" NPSM female swivel. Wt., 1 kg.
- No. 203155** – 45° flange adapter. 38,1 mm flanged-head by 11/2" NPSM female swivel. Wt., 1,5 kg.
- No. 203156** – 90° flange adapter. 38,1 mm flanged-head by 11/2" NPSM female swivel. Wt., 1,9 kg.
- No. 203017** – Split flange kit. Consists of four flange halves and attaching bolts to permit use of 38,1 mm I.D. flange adapters listed at left. Wt., 1.3 kg.



- No. 203003** – Consists of two female straight flange adapters with attaching bolts. When attached to inlet/outlet ports, allows connection of 11/2" NPT male hose ends to tester. Wt., 3.9 kg.

### FEMALE STRAIGHT FLANGE ADAPTER

#### HYDRAULIC FITTINGS FOR USE WITH ALL TESTERS.

	<b>No. 16954</b> – 90° swivel adapter, 3/4" NPTF male x 3/4" NPSM female. Wt., 0.4 kg.		<b>No. 26073</b> – Swivel adapter, 3/4" NPTF female x 1/2" NPSM female. Wt., 0.1 kg.
	<b>No. 22041</b> – Coupler, 3/4" NPTF male x 3/4"-16 female ORB. Wt., 0.2kg.		<b>No. 26074</b> – 45° swivel adapter, 3/4" NPSM female x 3/4" NPTF male. Wt., 0.3kg.
	<b>No. 22042</b> – Coupler, 3/4" –16 female ORB x 1 1/16" –12 female 37° JIC. Wt., 0.2kg.		<b>No. 26075</b> – Swivel adapter, 3/4" NPSM female x 3/4" NPTF female. Wt., 0.2 kg.
	<b>No. 22043</b> – Coupler, 3/4" –16 female ORB x 9/16" –18 female 37° JIC. Wt., 0.2kg.		<b>No. 26076</b> – Swivel adapter, 3/4" NPTF male x 3/4" NPSM female. Wt., 0.2kg.
	<b>No. 22044</b> – Coupler, 3/4" –16 female ORB x 1 1/2" –20 female 37° JIC. Wt., 0,2 kg.		<b>No. 26077</b> – Cap, 3/4" NPTF. Wt., 0.3kg.
	<b>No. 27737</b> – Swivel adapter, 3/4" –16 male x 3/4" NPSM female. For use with No. 9785 hose, which has 3/4" NPTF male thread. Wt., 0.1kg.		<b>No. 26078</b> – Plug, 3/4" NPTF. Wt., 0.1 kg.
	<b>No. 27287</b> – Coupler, 3/4" –16 UNF female ORB x 7/8" –14 UNF female 37° JIC. Wt., 0.2kg		<b>No. 26079</b> – Adapter, 3/4" NPTF female x 1 1/16" –12 male ORB. Wt., 0.2 kg.
	<b>No. 13449</b> – Cap, 1 1/16" –12 UNF female, 3/4" O.D. tube, 37° flare. Wt., 0.1kg.		<b>No. 208402</b> – 45° union adapter, 7/8" –14 UNF male 37° JIC x 3/4" NPTF female. 210 bar working pressure. Wt., 0,3 kg.
	<b>No. 26068</b> – 45° swivel adapter, 1" NPTF male x 3/4" NPSM female. Wt., 0,4 kg.		<b>No. 208401</b> – 45° union adapter, 7/8" –14 UNF male 37° JIC x 3/4" NPTF female. Wt., 0,4kg.
	<b>No. 26069</b> – Swivel adapter, 1" NPTF female x 3/4" NPSM female. Wt., 0.2 kg.		<b>No. 206753</b> – Coupler, 1 15/16" –12 UNF female 37° JIC x 3/4" NPTF female. Wt., 0,5 kg.
	<b>No. 26070</b> – Adapter, 1" NPTF male x 3/4" NPTF female. Wt., 0.1kg.		<b>No. 26666</b> – Connector, 1 5/16" –12 UNF male 37° JIC x 3/4" NPTF male. Wt., 0.2 kg.
	<b>No. 26071</b> – Service tee, 3/4" NPTF female (2) x 3/4" NPTF male. Wt., 0.4 kg.		<b>No. 28984</b> – Straight adapter, 3/4" NPTF female x 1 3/16" –12 UN male 37° JIC. Wt., 0.3 kg.
	<b>No. 26072</b> – Swivel adapter, 3/4" NPSM female x 1/2" NPTF male. Wt., 0,2kg.		<b>No. 28985</b> – Straight adapter union, 1 3/16" –12 UN female 37° JIC x 3/4" NPTF female. Wt., 0,6 kg.