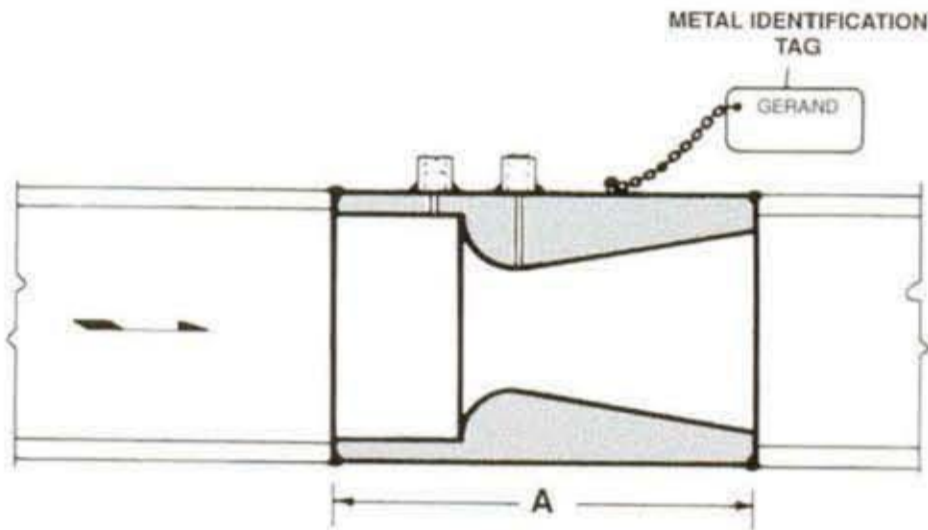




FM Flow Meters Data Sheet



BUTT WELD ENDS

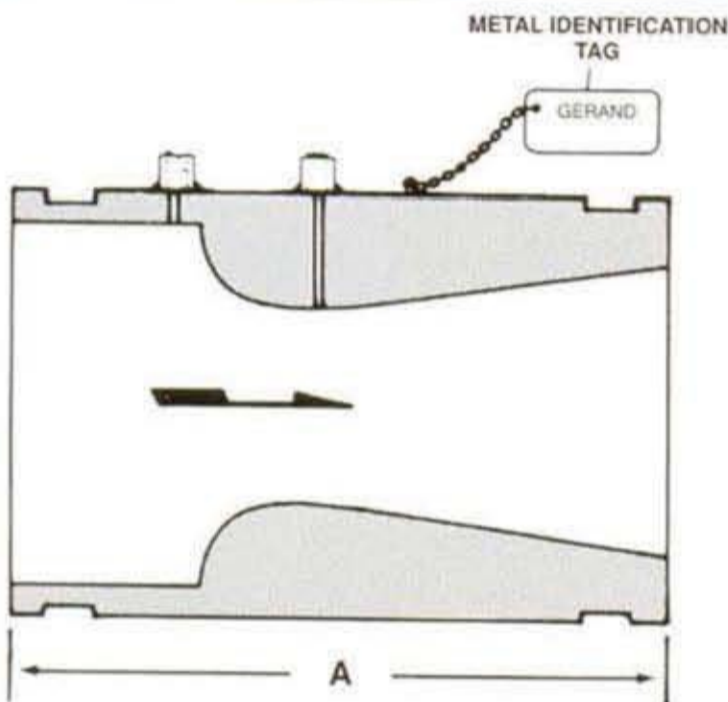
Steel (2½" – 10" Zinc Plated)
Accuracy – ±1%

| SIZE | A |
|----------|-----|
| 2½" -746 | 3" |
| 3" -766 | 3½" |
| 4" -744 | 3½" |
| 5" -715 | 5" |
| 6" -743 | 6" |
| 8" -750 | 7" |
| 10" -755 | 8" |
| 12" -750 | 12" |

BRASS THREADED ONLY

Accuracy – ±1%

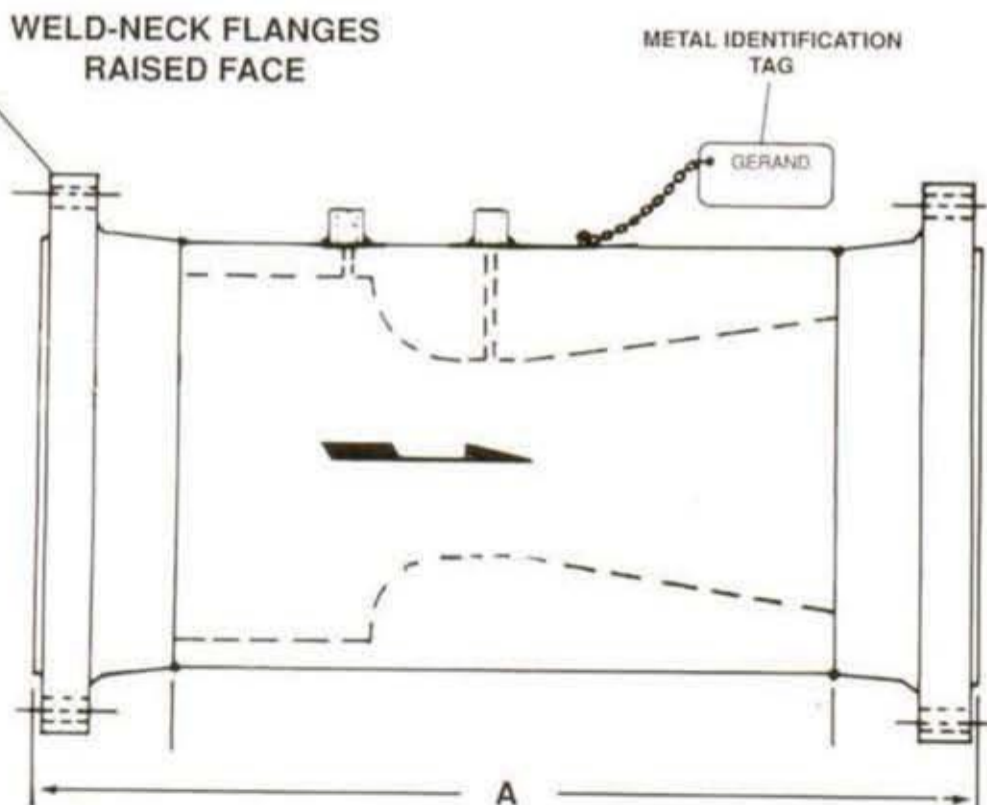
| | |
|----------|-----|
| 1¼" -616 | 3¾" |
| 2" -685 | 4¼" |



GROOVED ENDS

Steel (2½" – 10" Zinc Plated)
Accuracy – ±1%

| SIZE | A |
|----------|-----|
| 2½" -746 | 4" |
| 3" -766 | 4¾" |
| 4" -744 | 3¾" |
| 5" -715 | 5" |
| 6" -743 | 6" |
| 8" -750 | 7" |
| 10" -755 | 8" |
| 12" -750 | 12" |



FLANGED ENDS (RF)

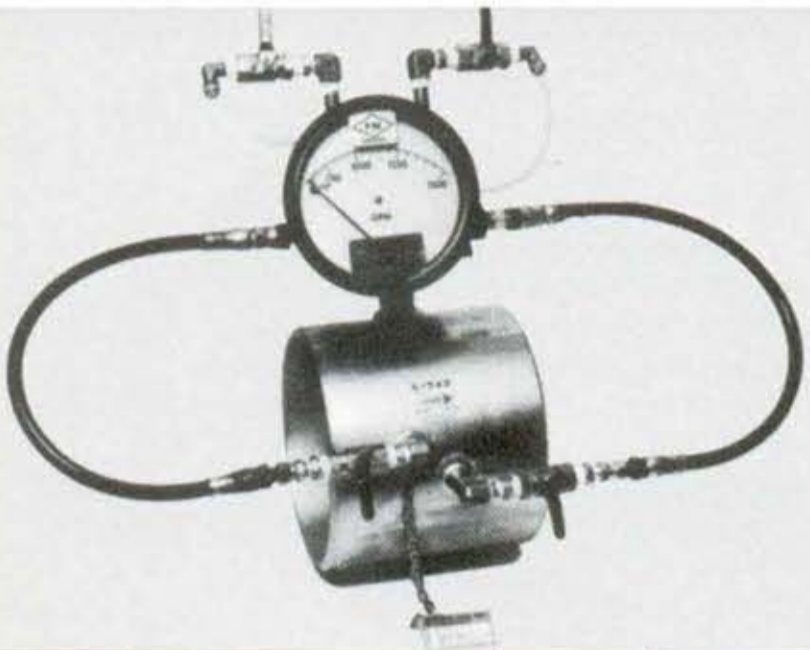
Steel (2½" – 10" Zinc Plated)
Accuracy – ±1%

| SIZE | 150# | 300# |
|----------|------|------|
| 2½" -746 | 9½" | 10" |
| 3" -766 | 9" | 10¼" |
| 4" -744 | 9½" | 10¾" |
| 5" -715 | 12" | 13¼" |
| 6" -743 | 13" | 14¼" |
| 8" -750 | 15" | 16¼" |
| 10" -755 | 16" | 17¾" |
| 12" -750 | 21" | 22¾" |



the
Fire Protection
centre

A Great Deal to Offer



– RATING 500 PSI –
(BUTT WELD, GROOVED ENDS & 300 # FLANGED)
– RATING 275 PSI –
(FOR 150 # FLANGED UNITS ONLY)

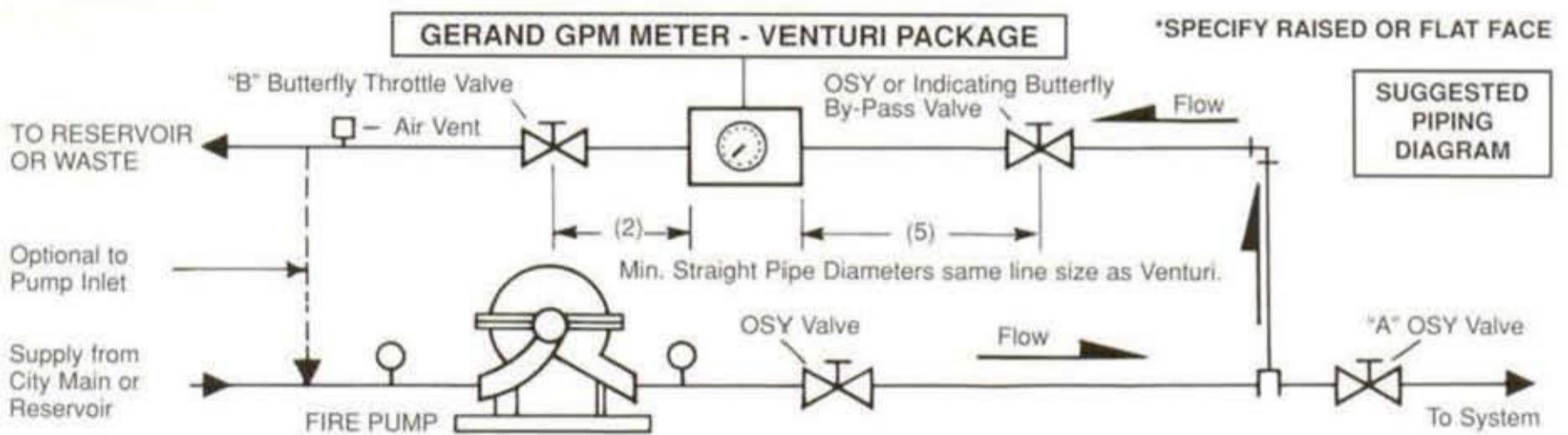
A CALIBRATED VENTURI AND ATTACHED GPM METER INSTALLED ON THE DISCHARGE OF A FIRE PUMP TO ACCURATELY DETERMINE PUMP PERFORMANCE.

4 1/2" DIAL METER IS SHIPPED FOR MOUNTING ON VENTURI BRACKET. IF METER IS TO BE REMOTE MOUNTED, CONSULT FACTORY ON SPECIAL HOSE LENGTHS.

LISTED BELOW ARE THE MOST COMMON MODEL "K" FM APPROVED PUMP GPM/LINE SIZE COMBINATIONS OF FIRE PUMP TEST METERS.

DUAL LPM/GPM SCALES AVAILABLE.

| PUMP GPM | VENTURI SYSTEM MODEL NO. | PIPE SIZE | METER RANGE MIN. & MAX. GPM | WELDED or GROOVED VENTURI LENGTH | *FLANGED VENTURI LENGTH | |
|----------|--------------------------|-----------|-----------------------------|----------------------------------|-------------------------|-----------|
| | | | | | 150# (RF) | 300# (RF) |
| 25 | K-25-1 1/4 (616) | 1 1/4" | 12.5-50 | Threaded only 3 3/4" | — | — |
| 50 | K-50-2 (685) | 2" | 25-100 | Threaded only 4 1/4" | — | — |
| 100 | K100-2 1/2 (746) | 2 1/2" | 50-200 | 3" (WELD) 4" | 9 1/2" | 10" |
| 150 | K-150-3 (766) | 3" | 75-300 | 3 1/2" (WELD) 4 3/8" | 9" | 10 1/4" |
| 200 | K-200-3 (766) | 3" | 100-400 | 3 1/2" (WELD) 4 3/8" | 9" | 10 1/4" |
| 250 | K-250-4 (744) | 4" | 125-500 | 3 1/2" (WELD) 3 3/4" | 9 1/2" | 10 3/4" |
| 300 | K-300-4 (744) | 4" | 150-600 | 3 1/2" (WELD) 3 3/4" | 9 1/2" | 10 3/4" |
| 450 | K-450-4 (744) | 4" | 225-900 | 3 1/2" (WELD) 3 3/4" | 9 1/2" | 10 3/4" |
| 500 | K-500-5 (715) | 5" | 250-1000 | 5" | 12" | 13 1/4" |
| 750 | K-750-6 (743) | 6" | 375-1500 | 6" | 13" | 14 1/4" |
| 1000 | K-1000-6 (743) | 6" | 500-2000 | 6" | 13" | 14 1/4" |
| 1250 | K-1250-6 (743) | 6" | 625-2500 | 6" | 13" | 14 1/4" |
| 1500 | K-1500-8 (750) | 8" | 750-3000 | 7" | 15" | 16 1/4" |
| 2000 | K-2000-8 (750) | 8" | 1000-4000 | 7" | 15" | 16 1/4" |
| 2500 | K-2500-8 (750) | 8" | 1250-5000 | 7" | 15" | 16 1/4" |
| 3000 | K-3000-8 (750) | 8" | 1500-6000 | 7" | 15" | 16 1/4" |
| 3500 | K-3500-10 (755) | 10" | 1750-7000 | 8" | 16" | 17 3/4" |
| 4000 | K-4000-10 (755) | 10" | 2000-8000 | 8" | 16" | 17 3/4" |
| 4500 | K-4500-10 (755) | 10" | 2250-9000 | 8" | 16" | 17 3/4" |
| 5000 | K-5000-12 (750) | 12" | 2500-10000 | 12" | 21" | 22 3/4" |



OPERATING INSTRUCTIONS FOR GERAND FIRE PUMP TEST METER

1. Close System OSY Valve "A".
2. Open OSY By-Pass Valve and "B" Butterfly Throttle Valve.
3. Purge meter located on Venturi as follows:
Open station shut-off valves (below meter) and vent valves (above meter). When a steady stream of water is passing through each plastic hose, meter is purged of air.
4. Start Fire Pump and read meter in GPM.
5. Refer to pump GPM requirement and adjust throttle valve for this requirement.
6. After test, open OSY Valve "A" and close By-Pass and "B" Valves.