TECHNICAL DATA SHEET

CODE:	**HTSN, HTSQ, HTSB, HFGBI, HFGCFA, HFGQRT, HFGSART & HFGFBT**
DESCRIPTION:	**STATIC HYDRANT TESTERS & HYDRANT FLOW GAUGES**
CATEGORY:	HYDRANT / FIRE HOSE FITTINGS & EQUIPMENT
REVISION DATE:	05 AUG 2020

STATIC HYDRANT TESTERS

CODE	DESCRIPTION
HTSN	HYDRANT TESTER STATIC NSW FBT / MFB GUNMETAL
HTSQ	HYDRANT TESTER STATIC QRT GUNMETAL
HTSB	HYDRANT TESTER STATIC BIC GUNMETAL

PRODUCT DESCRIPTION:

Designed to be used to measure static pressure at the hydrant and available in a variety of hydrant fitting types. Brass / gunmetal construction with quality liquid filled gauge and ball valve to release pressure.

HYDRANT FLOW GAUGES

CODE	DESCRIPTION
HFGFBT	HYDRANT FLOW GAUGE FBT /MFB GUNMETAL
HFGBI	HYDRANT FLOW GAUGE BI GUNMETAL
HFGQRT	HYDRANT FLOW GAUGE QRT GUNMETAL
HFGCFA	HYDRANT FLOW GAUGE CFA GUNMETAL
HFGSART	HYDRANT FLOW GAUGE SART GUNMETAL

PRODUCT DESCRIPTION:

Constructed of heavy duty gunmetal the Hydrant Flow Gauge is available in a variety of hydrant fitting types. Used to test hydrant flow. Includes operating instructions (see page 2).

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HYDRANT FLOW GAUGES—OPERATING INSTRUCTIONS

1. Attach flow gauge to hydrant or hose outlet.

2. **CHECK STATIC PRESSURE**

   2.1 Screw on cap with pet cock to flow gauge outlet.

   2.2 Open water supply isolator slightly to fill body of the gauge.

   2.3 Open pet cock on cap to exhaust all air from the flow gauge.

   2.4 Close pet cock.

   2.5 Open supply isolator fully and read pressure from the gauge.
   Record pressure as STATIC PRESSURE.

   2.6 Close water supply isolator.

   2.7 Remove cap from gauge.

3. **CHECK FLOWING PRESSURE**

   3.1 Use the 25mm (1") built into the flow gauge.

   3.2 Open supply isolator fully.

   3.3 Read pressure from gauge.
   Record the nozzle size and gauge pressure as RUNNING PRESSURE DETAILS.

   3.4 Close water supply isolator.

   3.5 Remove the flow gauge and return to box.

4. **FINDING THE FLOW RATE**

   4.1 Refer to the flow charts supplied with the flow gauge.

   4.2 Using the nozzle size used in your tests, select the appropriate curve on the graph.

   4.3 Read up the vertical scale to find the pressure recorded from your test/s.

   4.4 Read across to the selected curve on the graph then read vertically down to the bottom scale.

   4.5 Read off the flow rate from scale shown on next page

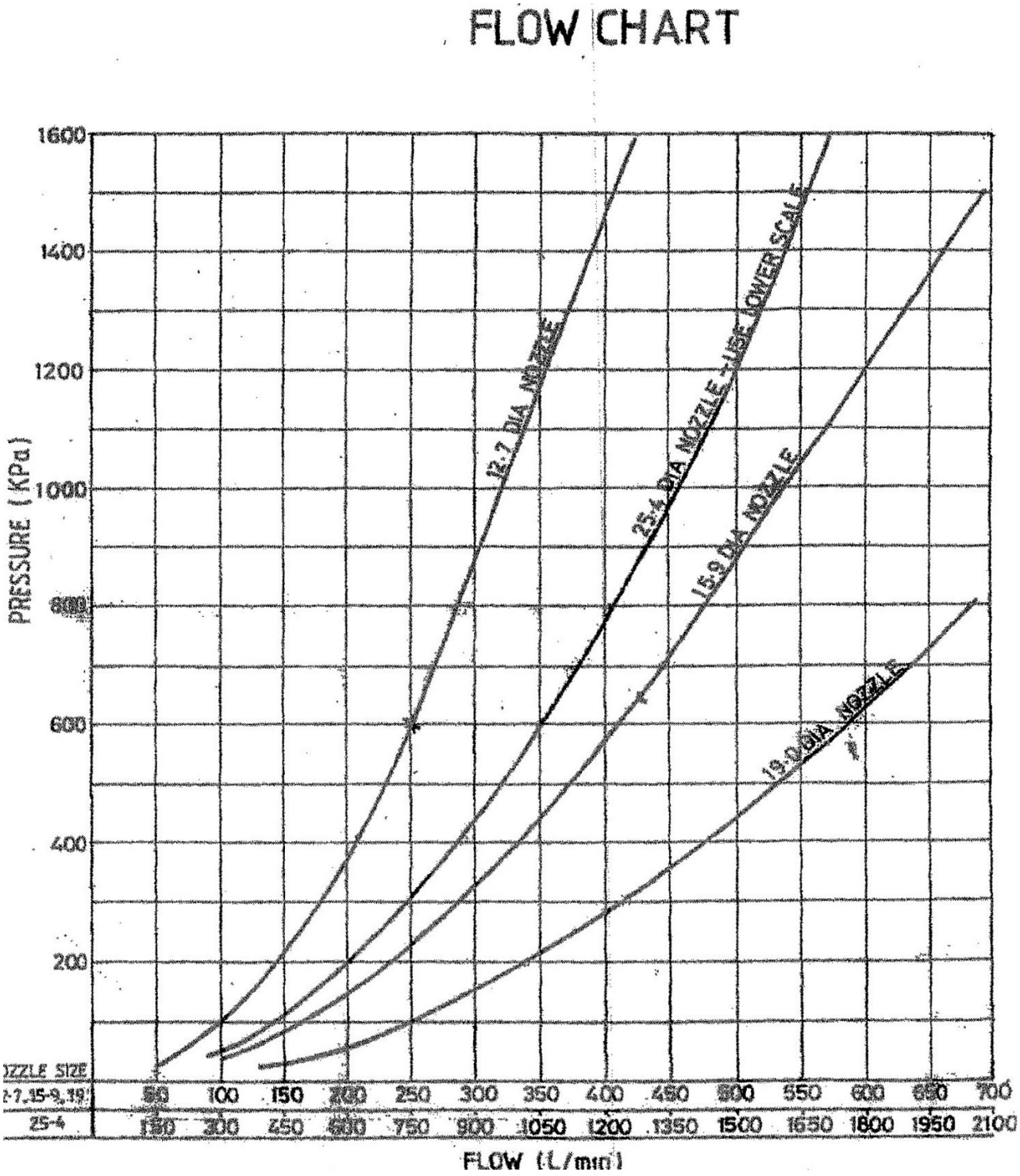
NOTE:

If the 25mm (1") flow nozzle is used.

Read off flow rate from the lower flow scale.

ALL OTHER FLOW NOZZLES USE THE TOP FLOW SCALE.

HYDRANT FLOW GAUGES - OPERATING INSTRUCTIONS - FLOW CHART SCALE



HYDRANT FLOW GAUGES - OPERATING INSTRUCTIONS - FLOW RATE SCALE

Residual Pressure kPa	25.4 DIA Nozzle Flow Rate	19.0 DIA Nozzle Flow Rate	15.9 DIA Nozzle Flow Rate	12.7 DIA Nozzle Flow Rate
150	8.512	4.763	3.335	2.128
175	9.194	5.144	3.603	2.298
200	9.829	5.500	3.851	2.457
225	10.425	5.833	4.085	2.606
250	10.989	6.149	4.306	2.747
275	11.525	6.449	4.516	2.881
300	12.038	6.736	4.717	3.009
325	12.529	7.011	4.910	3.132
350	13.002	7.275	5.095	3.251
375	13.458	7.531	5.274	3.365
400	13.900	7.778	5.447	3.475
425	14.328	8.017	5.614	3.582
450	14.743	8.249	5.777	3.686
475	15.147	8.475	5.935	3.787
500	15.540	8.696	6.090	3.885
525	15.924	8.910	6.240	3.981
550	16.299	9.120	6.387	4.075
575	16.665	9.325	6.530	4.166
600	17.024	9.526	6.671	4.256
625	17.375	9.722	6.808	4.344
650	17.719	9.915	6.943	4.430
675	18.056	10.103	7.075	4.514
700	18.388	10.289	7.205	4.597
725	18.713	10.471	7.333	4.678
750	19.033	10.650	7.458	4.758
775	19.348	10.826	7.581	4.837
800	19.657	10.999	7.703	4.914
825	19.962	11.170	7.822	4.990
850	20.262	11.338	7.940	5.066
875	20.558	11.503	8.056	5.139
900	20.850	11.666	8.170	5.212
925	21.137	11.827	8.283	5.284
950	21.421	11.986	8.394	5.355
975	21.701	12.143	8.504	5.425
1000	21.977	12.297	8.612	5.494