

## 9.1 Model Series FTM to 588 psi (PN 40)

### Description

The FTM ITABAR-Sensor series is designed to measure volumetric flow of liquids and gases. The insertion or removal of the sensor is made easy by two guide-rod spindles or (as an option) via a hand wheel driven gearbox. The FTM sensor is applicable to an operating pressure of up to 588 psi (PN40) and an operating temperature of up to 300°C / 572°F.

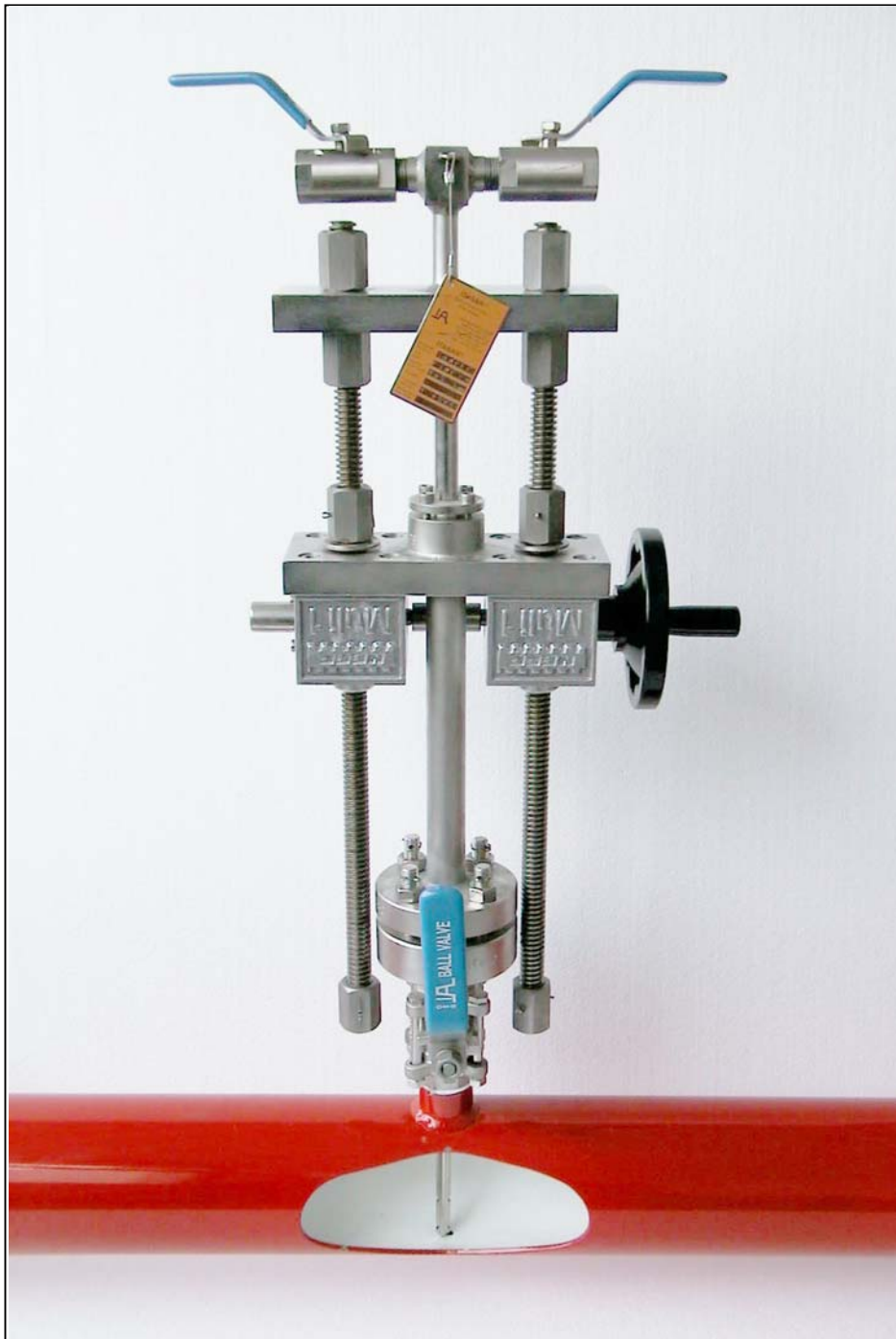
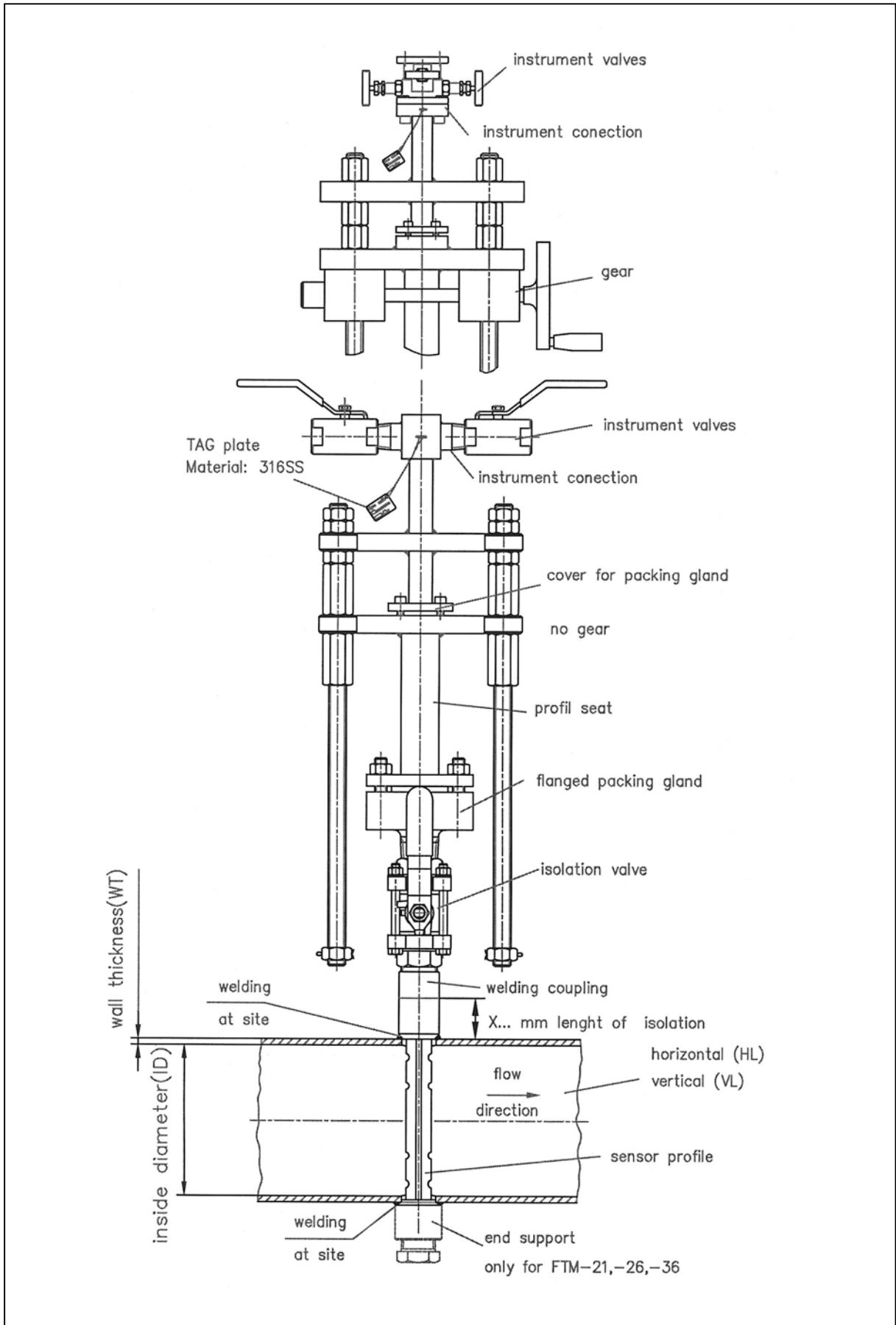


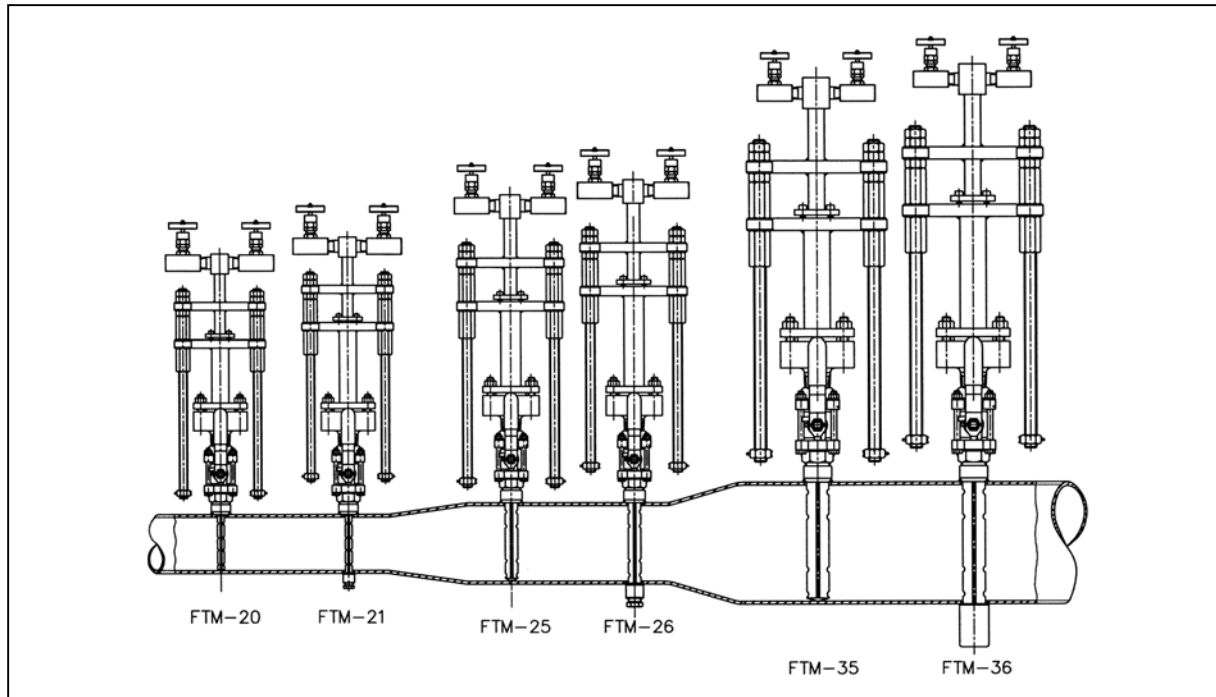
Fig. 9.2: FTM-20 with gear box and hand wheel (option)

# Drawing for ITABAR Series FTM



# Order Data for ITABAR Series FTM 20/21/25/26/35/36 (PN40)

## 1. Sensor Type, with guide rod spindles



Pipe diameter inches mm		Maximum allowable volumetric flow in GPM					
		Sensor type					
		FTM -20	FTM -21	FTM -25	FTM -26	FTM -35	FTM -36
1 1/2	DN 40	175	502	---	---	---	---
2	DN 50	260	708	---	---	---	---
2 1/4	DN 65	409	1069	---	---	---	---
3	DN 80	572	1443	---	---	---	---
4	DN 100	787	1936	902	2398	---	---
5	DN 125	1047	2512	1240	3168	---	---
6	DN 150	---	---	1579	3938	---	---
8	DN 200	---	---	2270	5473	---	---
10	DN 250	---	---	3027	7150	---	---
12	DN 300	---	---	3841	8962	7739	18519
14	DN 350	---	---	4637	10718	9438	22321
16	DN 400	---	---	5403	12460	11154	26158
20	DN 500	---	---	7013	15976	14462	33528
24	DN 600	---	---	8588	19483	17850	41087
28	DN 700	---	---	10212	23069	21370	48923
32	DN 800	---	---	11910	26870	24965	56962
36	DN 900	---	---	---	30839	---	65155
40	DN 1000	---	---	---	34896	---	73189
48	DN 1200	---	---	---	43010	---	90090
56	DN 1400	---	---	---	---	---	106695
64	DN 1600	---	---	---	---	---	123292
72	DN 1800	---	---	---	---	---	139264
80	DN 2000	---	---	---	---	---	---







## 2. Order specification ITABAR-Flow-Sensor, series Flo-Tap

### Instrument connection and shut-off device

type FTN- 20, 21, 25, 26, 35, 36

type FTM- 20, 21, 25, 26, 35, 36

#### instrument connection

A04	sensorhead with 1/4" NPT outside thread
A03	sensorhead with 1/2" NPT outside thread
A06	flange plate to direct mount a 3-valve manifold
A07	flange plate to direct mount a 5-valve manifold



#### shut-off device for effect pressure pipe.

A00	without shut-off device
A55	ball valve PN40, case C.S. / female thread 1/2" NPT , packing: Teflon
A56	ball valve PN40, case 1.4401. / female thread 1/2" NPT , packing: Teflon
A57	ball valve PN40, case C.S. / female thread 1/4" NPT , packing: Teflon
A58	ball valve PN40, case 1.4401. / female thread 1/4" NPT , packing: Teflon
A59	shut-off valve 1/4" NPT, PN400, case C.S. / female thread 1/4" NPT packing: graphite
A60	shut-off valve 1/4" NPT, PN400, case 1.4401 / female thread 1/4" NPT packing: graphite
A61	shut-off valve 1/2" NPT, PN400, case C.S. / female thread 1/2" NPT packing: graphite
A62	shut-off valve 1/2" NPT, PN400, case 1.4401 / female thread 1/2" NPT packing: graphite
A90	shut-off valve 1/2" NPT, 800 lbs, C-Stahl / female thread 1/2" NPT , packing: graphite
A91	shut-off vave 1/2" NPT, 800 lbs, 1.4401 / female thread 1/2" NPT, packing: graphite
A63	shut-off valve 1/2" NPT, PN10, PTFE
A64	shut-off valve G 1/2", PVDF
A66	direct mount, with 3-valve manifold, PN400, case 1.4401 / packing: PTFE (only with A06)
A67	direct mount, with 3-valve manifold, PN10, case PTFE / packing: PTFE (only with A06)
A71	direct mount, with 5-valve manifold, PN400, case 1.4401 / packing: PTFE (only with A07)

