

TP Turbopulse series Turbine flowmeters

The TP turbopulse turbine series measures flow of low viscosity liquids from 100 to 7,000,000 litres/hr in a range of sizes from 1/2" to 20" (12mm-500mm).

The TP series have an axial rotor and flow guides, to be installed in straight sections of pipe either horizontal or vertical so that the flow is conditioned. The TP series have Exd & Intrinsically Safe (I.S) approvals.



- Massive flow capacity up to 20" pipe size
- ATEX EEx ia & EEx d designs
- Options for custody transfer
- Directly mounted display & batch controller options

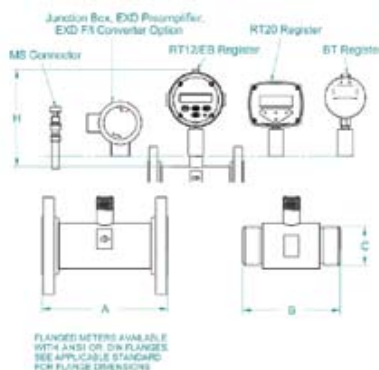
Technical Information

Nominal sizes	12-500mm (1/2"-20")
Accuracy @ 1cp	± 0.5% or (10.1 turndown)
Temperature range	-40~+240°C (-40~+460°F)
Maximum pressure	
316 stainless steel	250 bar (3680 psi) 10cst max.
high pressure SS	400 bar (5580 psi) 68cst max.
Protection class	IP66/67 (NEMA4X), optional Exd IIB T6 or I.S
Electrical	
standard output	Pick-off Coil

Flow ranges

Size	Model	litre/hr
1/2"	TP010	100-1100
3/4"	TP012	220-2200
3/4"	TP015	400-4000
3/4"	TP020	800-8000
		m3/hr
1"	TP025	1.6-16
1 1/2"	TP040	3.4-34
2"	TP050	6.8-68
3"	TP080	13-135
4"	TP100	27-270
6"	TP150	55-550
8"	TP200	110-1100
10"	TP250	190-1900
12"	TP300	270-2700
16"	TP400	400-4000
20"	TP500	700-7000

Dimensional Information



Flanged meters

Model	A
TP010	127mm (5.0")
TP012	127mm (5.0")
TP015	127mm (5.0")
TP020	127mm (5.0")
TP025	152mm (6.0")
TP040	178mm (7.0")
TP050	197mm (7.8")
TP080	254mm (10.0")
TP100	356mm (14.0")
TP150	368mm (14.5")
TP200	457mm (18.0")
TP250	457mm (18.0")
TP300	457mm (18.0")
TP400	610mm (24.0")
TP500	610mm (24.0")

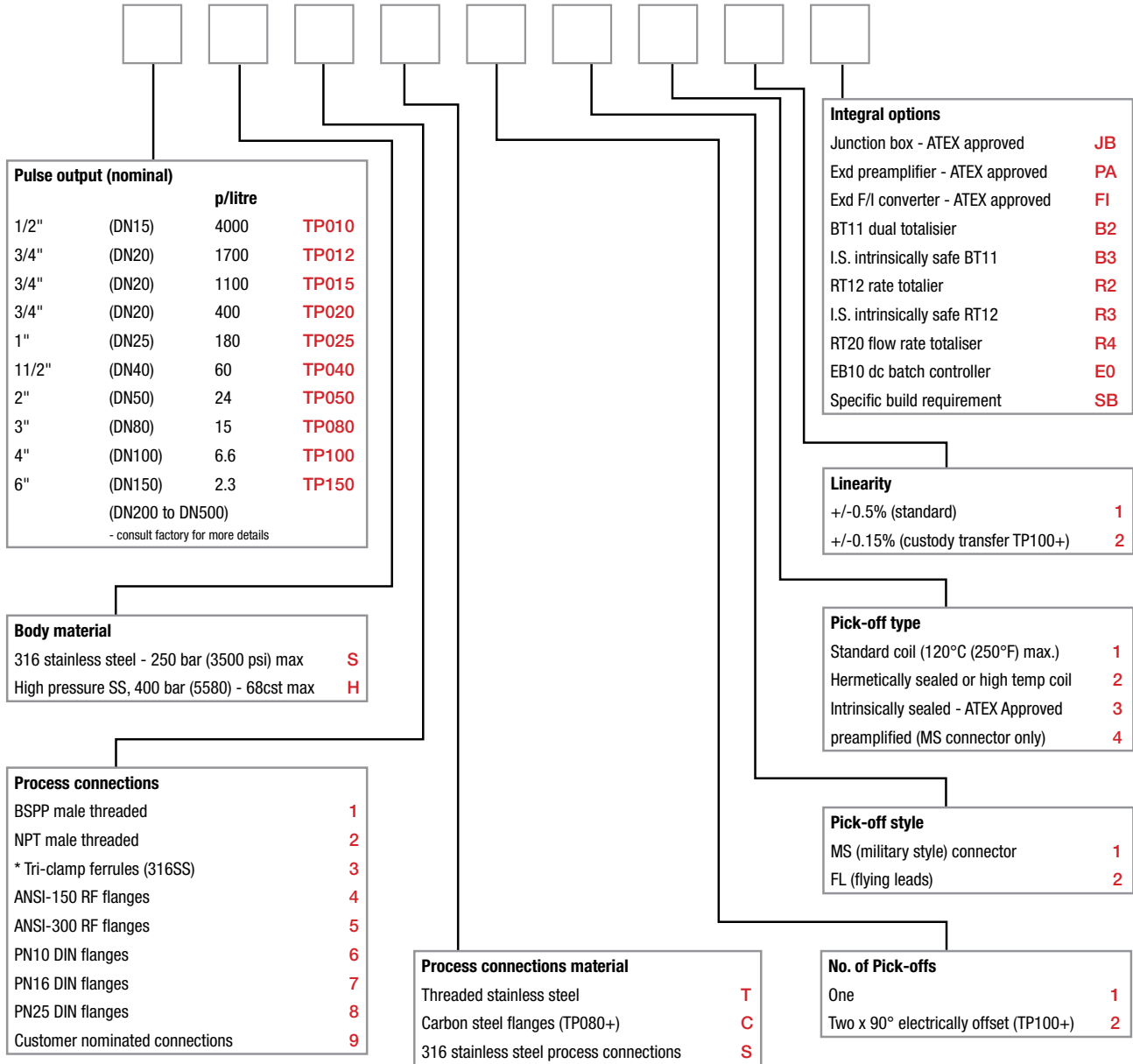
Threaded meters

Model	B	C
TP010	64mm (2.5")	1/2" BSP or NPT
TP012	64mm (2.5")	3/4" BSP or NPT
TP015	64mm (2.5")	3/4" BSP or NPT
TP020	83mm (3.3")	3/4" BSP or NPT
TP025	89mm (3.5")	1" BSP or NPT
TP040	115mm (4.5")	1 1/2" BSP or NPT
TP050	133mm (5.5")	2" BSP or NPT

Option fitted	H
RT12/EB Register	210mm
RT20 Register	189mm
BT Register	190mm
EX junction Box	150mm
MS connector	118mm
MS connector	138mm

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Options & Ordering Information



Recommended Instruments: FBT11, FRT12, FEB10