

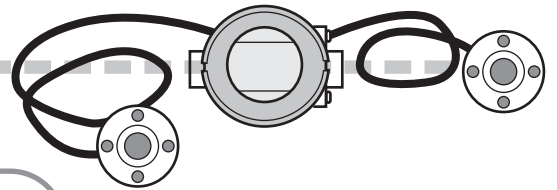
Eliminating impulse pipe transmitters will reduce instrumentation costs!!
 1/2 in. Remote Sealed type Transmitter (Vol.2)

Amid growing demands for investment in equipment, reduction in all instrumentation costs including those for piping and wiring, are being emphasized. In this issue of THE GENBA, we are focusing on the reduction of instrumentation costs, which is one of the benefits of using 1/2 in. remote sealed type transmitters.

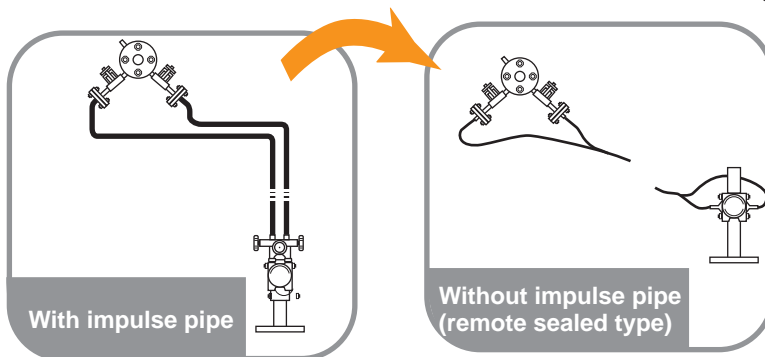
By conducting an actual instrumentation for comparison, instrumentation with the impulse pipes was compared to instrumentation without impulse pipes upon replacement (see table below).

We found that for the cost of an installation without impulse piping and steam-trace, there was a total **savings of 180,000 to 240,000 yen** in terms of instrumentation and materials. From the perspective of building efficient instrumentation, you will notice how big of a difference this can make.

Yamatake recommends eliminating impulse pipes by installing 1/2 in. remote sealed type transmitters, which can contribute to the reduction of instrumentation costs incurred by impulse pipe work and steam-trace work.



Comparison of instrumentation costs



Condition:
 Impulse pipe, 5 to 6 m
 Operating steam-trace work
 Instrumentation cost
 per 1 man-hour = 25,000 JPY

		Without impulse pipe	With impulse pipe
Impulse pipe work	Material cost*	20,000 to 80,000 yen	80,000 to 200,000 yen
	Installation cost*	50,000 yen (2 man-hours)	100,000 yen (4 man-hours)
Steam-trace work	Material cost*	0 yen	30,000 yen
	Installation cost	0 yen	40,000 yen (1.6 man-hours)
	Total	70,000 to 130,000 yen	250,000 to 370,000 yen

* Excluding transmitter

Installation without impulse piping work ... **saves of 110,000 to 170,000 JPY!**
 Installation without steam-trace work.....**saves of an average of 70,000 JPY!**
That means a total cost reduction of 180,000 to 240,000 JPY!

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