

- No Programming
- Excellent Corrosion Resistance
- Output | Pulse | Voltage | 4-20mA



On Paddle
Assembly

Zirconium Ceramic
Rotor Pin & Bearings

PVC

PP

PVDF

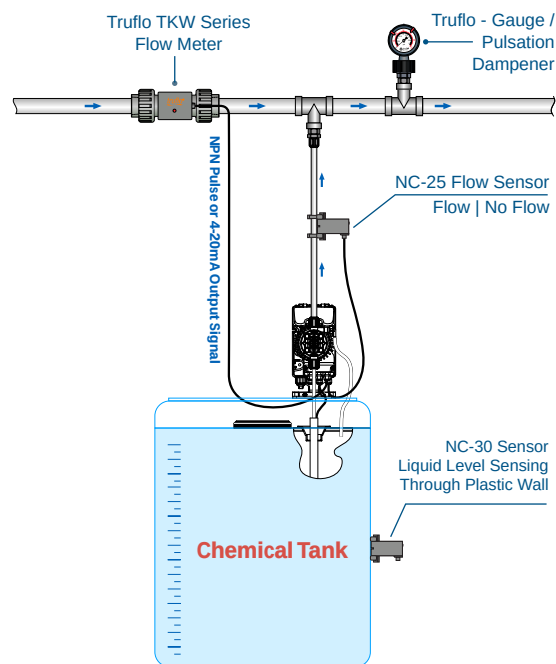


SERIES : TKW

CONNECTION : SOC | NPT | Flange | Butt | DIN

SEALS : FPM | EPDM | FFKM

TYPICAL APPLICATION



FEATURES

- High Accuracy | $\pm 1.0\%$ of Full Scale
- NPN Pulse | Voltage | 4-20mA Output
- Corrosion Resistant | PVC | PP | PVDF*
- Low Cost Visual Indication
- Easy Installation | No Mounting Kits
- Compact Design
- Horizontal | Vertical Installation
- Size Range $\frac{1}{2}$ - 4"
- Low Pressure Drop
- NEMA 4X Enclosure
- Suitable for Corrosive Environments
- True-Union Design $\frac{1}{2}$ - 2" | Flanged 3" - 4"

* Note : CPVC Union Ends Available

SPECIFICATIONS

Fluid	Water or Liquid Chemicals Viscosity Range: 0.5-20 centistokes
Accuracy	> $\pm 1.0\%$ of F.S. @ 20°C (68°F) Repeatability $\pm 0.5\%$ of Full Scale
Max Flow Velocity	10 m/s max 32.8 ft/s max
Min Flow	0.3 m/s min. 0.98 ft/s min
Operating Pressure	150 psi Non-Shock
Turndown	33:1
Response time	Real Time
Material of Construction	Paddle: Tefzel® Body: PVC PP PVDF Shaft: Zirconium Ceramic Seals: FPM (Std) EPDM FFKM
Operating Temperature	PVC < 60°C (140°F) PP < 80°C (176°F) PVDF < 110°C (230°F)
Electronics	+ 50°C 122°F
Protection Class	IP66 NEMA 4X
Approval	CE Rohs
Current Draw	60mA Max
Operating Voltage	10-30VDC

*Consult Factory for Details

PRODUCT SELECTION

EXAMPLE

TKW ----- 25 ----- PVC ----- E
(1) (2) (3) (4)

1. SERIES

TKW = Paddle Wheel Flow Meter with Transmitter Output

2. PIPE SIZE

15 | (½") | 20 | (¾")
25 | (1") | 40 | (1 ½")
50 | (2") | 80 | (3") 100 | (4")

3. BODY MATERIAL

P - PVC
PP - Polypropylene
PF - PVDF

4. SEALS *

E - EPDM
F - FFKM

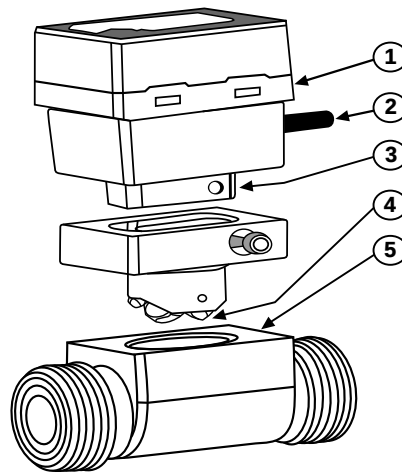
* FPM is Standard

5. END CONNECTIONS

S - Sch 80 Soc D - DIN
T - NPT F - ANSI 150 lb FLANGE
B - SDR11 Butt

6. OUTPUTS P - Frequency Pulse
 V - 0-5 Volts Output
 A - 4-20mA Output

PARTS TKW SERIES

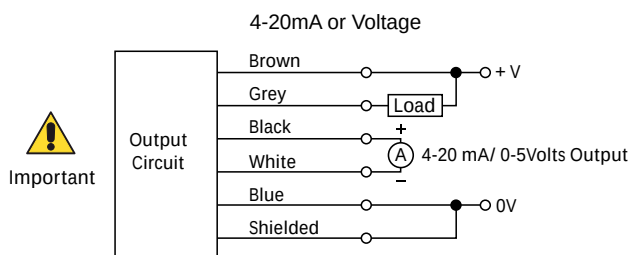


1. Flow Controller
2. Lead Wire
3. Hall Sensor
4. Paddle Wheel
5. Body (PVC | PP | PVDF)*

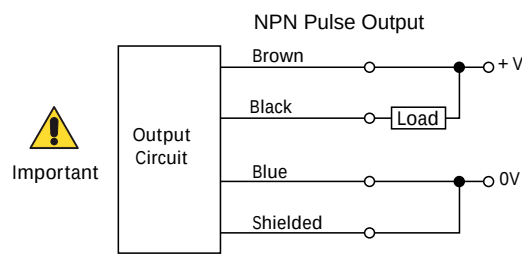


* CPVC Socket Ends Available

Wiring Diagram



Brown	12~24VDC	Black	+ 4~20mA / 0-5V Output
Blue	0V	White	- 4~20mA / 0-5V Output
Grey	NPN Paddle Pulse Output	Shielded	Ground



Brown	12~24VDC	Black	Pulse Output
Blue	0V	Shielded	Shielded Wire

DC Power Only

Application Note

Load resistance:

Current output : (4-20mA) : 120Ω max.

Voltage output : (0-5V) : 10KΩ min.

Range of Transmitter

TKW Series	DN15 ½"	DN20 ¾"	DN25 1"	DN40 1 ½"	DN50 2"
Range LPM GPM	0-30 LPM 0-8 GPM	0-60 LPM 0-16 GPM	0-90 LPM 0-24 GPM	0-200 LPM 0-53 GPM	0-330 LPM 0-87 GPM