

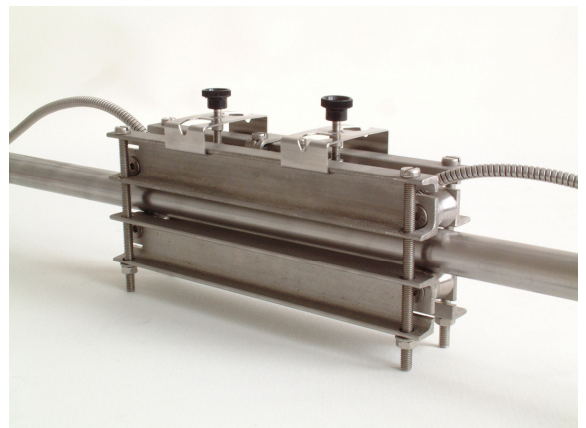
# Variofix

## Montagedetaljer för Flexim Ultraljudsflödesgivare

Vid installation av ultraljudsflödesgivare med Variofix får man en säker installation som håller givarna på plats samt ett konstant tryck mot röret.

### Enkel

- Enkelt att installera
- Går att få med magneter som fäster Variofix direkt på röret
- Givare kan demonteras utan att ta bort Variofix fästet
- Installation kan utföras under drift
- Fjäderbelastning ger konstant tryck även vid varierande temp.
- Skyddskåpa över Variofix finns som option



### Ekonomisk

- Snabbt montage ger låga installationskostnader
- Flexibelt system klarar flera rörstorlekar eller givare
- Givarna kan monteras både för reflektion eller diagonal mätning



### Variofix finns i följande utförande vid reflektion mode

- Modell S för rör upp till 100 mm
- Modell M för rör upp till 200 mm
- Modell L för rör upp till 475 mm

## Product Code

Type	Type of transducer	Measuring mode	Rail length	Fixation	Description
VFX-					Variofix mounting fixture for permanent installation
	S-				For S2 transducers (spacer roll W=13,8mm)
	Q-				For Q2 and Q3 transducers (spacer roll W=18,5mm)
	M-				For M2, M3 and M4 transducers (spacer roll W=31,0mm)
	K-				For K2 and K3 transducers (spacer roll W=47,5mm)
	K4-				For K4 transducers (spacer roll W=50,5mm)
		R-			For transducer mounting in one rail (reflection mode) *: when using S transducers on pipes with $\varnothing < 10$ mm, measurement is only possible in diagonal mode.
		D-			For transducer mounting in two separate rails (reflection or diagonal mode)
			S-		Small (length of the rail =200mm) In reflection mode with Q transd.: Transd. distance <sup>a</sup> <20mm ( $\varnothing_{\text{equi}} = 50\text{mm}^b$ ) with S transd.: Transd. distance <sup>a</sup> <130mm ( $\varnothing_{\text{equi}} = 100\text{mm}^b$ )
			M-		Medium (length of the rail =300mm) In reflection mode with M transd.: Transd. distance <sup>a</sup> <120mm ( $\varnothing_{\text{equi}} = 200\text{mm}^b$ ) with Q transd.: Transd. distance <sup>a</sup> <120mm ( $\varnothing_{\text{equi}} = 169\text{mm}^b$ )
			L-		Large (length of the rail =500 mm) In reflection mode with M transd.: Transd. distance <sup>a</sup> <320mm ( $\varnothing_{\text{equi}} = 475\text{mm}^b$ ) with Q transd.: Transd. distance <sup>a</sup> <320mm ( $\varnothing_{\text{equi}} = 425\text{mm}^b$ ) with K transd.: Transd. distance <sup>a</sup> <227mm ( $\varnothing_{\text{equi}} = 450\text{mm}^b$ )
				NN	Fixation on the pipe with bolts (M6), incl. counterpart with through bores for mounting in reflection mode with Q transducers only for pipes with $\varnothing < 31$ mm with M transducers only for pipes with $\varnothing < 43$ mm with S transducers only for pipes with $\varnothing < 27$ mm The use of the K transducers doesn't make sense here.
				NO	Fixation of one Variofix rail with tension straps for pipes with $\varnothing < 200$ mm (2 Oetiker clasps, 10m strap)
				OO	Fixation of 2 staggered rails with tension straps (pipe $\varnothing < 200$ mm), for diagonal mode measurement (4 Oetiker clasps, 10m strap)
				NF	Fixation of one Variofix rail with FLEXIM tension straps for pipes with $\varnothing > 150$ mm (2 FLEXIM clasps, 2 compensation springs, 10m strap)
				FF	Fixation of 2 staggered rails with tension straps (pipe $\varnothing > 150$ mm) for diagonal mode measurement (4 FLEXIM clasps, 4 compensation springs, 10m strap)
				NS	Fixation per welding on the pipe
VFX-					

a : The transducer distance for your application can be calculated with the software FluxFlow.

b :  $\varnothing_{\text{equi}}$  = equivalent diameter = outer diameter at which under standard conditions the given transducer distance is recommended  
(Medium = water, pipe wall thickness = 5 mm, T = 20°C, sound path = 2)

### Example:

**VFX-Q-DM-NN:** Variofix fixture for mounting Q transducers in diagonal mode, rail length = 300 mm, fixation with bolts

**VFX-Q-RL-NO:** Variofix fixture for mounting Q transducers in reflection mode, rail length = 500 mm, fixation with tension straps (Oetiker clasps)