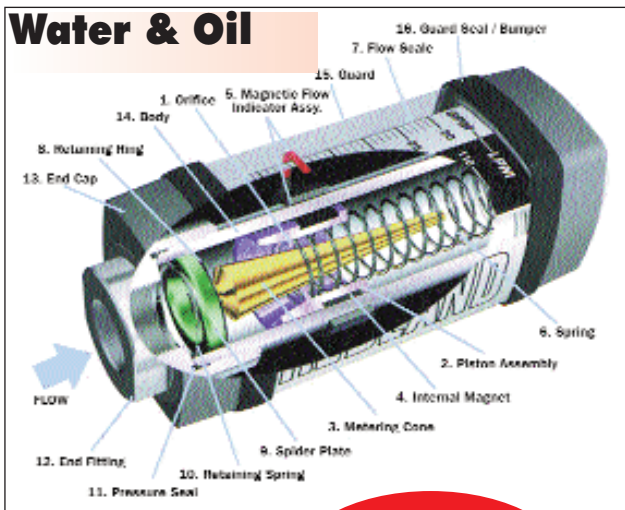


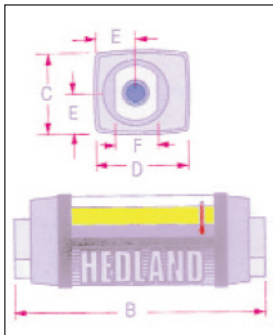
# FLOW METERS HEDLAND®

## Water & Oil



**Phosphate  
Esther  
Calibrations!**

- Direct reading
- Install in any position
- 360° Rotatable Guard/Scale
- Easier to Read Linear Scale
- No Flow Straighteners or Special Piping Required
- Insensitive to Shock and Vibration
- Good Viscosity Stability
- Accuracy  $\pm 2\%$  Full Scale
- Repeatability  $\pm 1\%$



### Water, BSPP, fm

0061	BSPP	LPM	B mm	C mm	D mm	E mm	F mm
2039-9333	1/4"	0.2-1.8	122	43	48	21	22
2039-9341	1/4"	0.5-3.75	122	43	48	21	22
2018-1947	1/4"	1-7.5	122	43	48	21	22
2039-9358	1/2"	0.5-3.75	168	53	61	26	32
2039-9366	1/2"	1-7.5	168	53	61	26	32
2018-1954	1/2"	2-19	168	53	61	26	32
2039-9374	1/2"	4-37	168	53	61	26	32
2018-1962	1/2"	4.1-56	168	53	61	26	32
2039-9382	3/4"	0.5-7.5	183	63	72	32	36
2039-9390	3/4"	2-19	183	63	72	32	36
2039-9408	3/4"	5-37	183	63	72	32	36
2039-9416	3/4"	10-74	183	63	72	32	36
2018-1970	3/4"	10-110	183	63	72	32	36
2039-9424	1"	10-110	183	63	72	32	36
2039-9432	1"	19-150	183	63	72	32	36
2039-9440	1"	19-190	183	63	72	32	36
2039-9457	1.1/4"	20-190	183	63	72	32	36
2039-9465	1.1/4"	40-280	183	63	72	32	36
2039-9473	1.1/4"	50-370	183	63	72	32	36
2018-1988	1.1/4"	50-560	183	63	72	32	36

### Operating Principle:

The Hedland flow meter is a variable area instrument. A precision machined, sharp-edged Orifice (1) located within the Piston Assembly (2) forms an annular opening with the contoured Metering Cone (3). The Piston Assembly carries a cylindrical PPS/Ceramic Magnet (4) that is magnetically coupled to an external Flow Indicator (5) that moves precisely, in direct response to movement of the Piston. A calibrated spring (6) opposes flow in the forward direction. The spring decreases viscosity sensitivity and allows the flow meter to be used in any position, including inverted.

### Specifications:

**Pressure Rating:**  
240 bar – Higher  
Pressure Models available

**Temperature Range:**  
-29°C to +116°C – Higher  
Temperature Models available

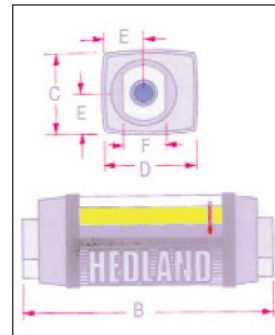
**Threads:**  
BSPP to ISO 1179  
(Other Threads available on request)

**Wetted Internals:**  
**Water Meters:**  
C360 Brass Body Piston and Cone  
**Oil Meters:**  
2024-t351 Anodised Aluminium Body, Piston and Cone

### Common Parts:

**Spider Plate:**  
303 Stainless Steel  
**Spring:**  
302 Stainless Steel  
**Pressure Seals:**  
Viton  
**Indicator & Internal Magnet:**  
PPS/Ceramic

**Guard:**  
Polycarbonate  
**Guard Seal & Bumper:**  
Buna  
**Scale Support:**  
Aluminium  
**End Caps:**  
Nylon



### Oil, BSPP, fm

0061	BSPP	LPM	B mm	C mm	D mm	E mm	F mm
2039-9119	1/4"	0.2-1.8	122	43	48	21	22
2039-9127	1/4"	0.5-3.75	122	43	48	21	22
2018-1889	1/4"	1-7.5	122	43	48	21	22
2039-9135	1/2"	0.5-3.75	168	53	61	26	32
2039-9143	1/2"	1-7.5	168	53	61	26	32
2018-1897	1/2"	2-19	168	53	61	26	32
2039-9150	1/2"	4-37	168	53	61	26	32
2018-1905	1/2"	4.1-56	168	53	61	26	32
2039-9168	3/4"	0.5-7.5	183	63	72	32	36
2039-9176	3/4"	2-19	183	63	72	32	36
2039-9184	3/4"	5-37	183	63	72	32	36
2039-9192	3/4"	10-74	183	63	72	32	36
2018-1913	3/4"	10-110	183	63	72	32	36
2039-9200	1"	10-110	183	63	72	32	36
2039-9218	1"	19-150	183	63	72	32	36
2039-9234	1"	19-190	183	63	72	32	36
2039-9259	1.1/4"	20-190	183	63	72	32	36
2039-9283	1.1/4"	40-280	183	63	72	32	36
2039-9291	1.1/4"	50-370	183	63	72	32	36
2039-9317	1.1/4"	50-560	183	63	72	32	36
2039-9325	1.1/4"	50-560	183	63	72	32	36