

Technical specification

Dimensions (Approx.) (mm / inches)	A - Height : 1029mm / 40.5" B - Width : 648mm / 25.5" C - Depth : 483mm / 19"
Weight (Approx.) (Kg / lbs)	62kg / 137lbs
Principle of operation IPD	Laser diode for optical detection of actual particulates
International codes	ISO 7 - 22
icountPD calibration	By recognised online methods confirmed by the relevant ISO procedures: MTD - via a certified primary ISO 11171 automatic particle detector using ISO 11943 principles, with particle distribution reporting to ISO 4406:1996
icountPD recalibration	Every 12 months: commoninfo@parker.com
Unit Ambient storage temperature	-26°C to +70°C (-79°F to + 158°F)
Unit operating environment	DO NOT use the filtration trolley in wet or damp environmental conditions
Recommended fluid operating viscosity	Up to 108 cSt (500 SUS) (0.85 Specific Gravity)
Filter trolley operating viscosity range	Use below 800 cSt (3880 SUS)

Pump Flow Rate	38 l/min (10 GPM)
1st stage filtration (Suction / Inlet Filter)	Micron rating specified in part number, visual indicator (Optional), 0.2 bar (3 psi) bypass preventing pump cavitation
2nd stage filtration (Pressure / Outlet Filter)	Micron rating specified in part number, visual indicator, 1.7 bar (25 psi) prevents excessive pressures
Suction / Pressure Hose	PVC (Standard, 1 metre (39"))
Suction Pressure Wand	PVC (Standard, 1 metre (39"))
Certification	IP22 rating EN61326-1-2006 Electrical equipment for measurement, control and laboratory EN61029-1-2009 + A11:2010 Modified Safety of transportable motor operated electric tools 2006/42/EC Machinery Directive
Construction	Cart frame = Steel Filter head = Aluminium Filter bowl = Steel Hoses = PVC (std.) Wands = PVC (std.) Steel tube
Electrical Motor	10MFP - ¾ hp@ 3450 rpm, O.D.P. Thermal overload protection.

New feature!

‘SmartCart’

A diagnostic filter trolley - the ‘SmartCart’. The icountPD particle detector can be mounted to the standard frame of the filter cart for enhanced monitoring of your hydraulic system.

Oil Type versus Recommended Kinematic Viscosity Chart for icountPD operation*.

Oil Type	Kinematic Viscosity @ 40°C in cSt	Kinematic Viscosity @ 30°C in cSt	Kinematic Viscosity @ 20°C in cSt	Kinematic Viscosity @ 10°C in cSt
ISO 7	7	9.5	13	19
ISO 10	10	14	20	32
ISO 15	15	25	35	60
ISO 22	21.6	35	60	108
ISO 32	32.2	55	90	180
ISO 46	46.3	80	140	280
ISO 68	60	120	220	450
ISO 100	96.7	280	350	800
ISO 150	147	300	550	1200
ISO 220	220	400	850	2000

* yellow boxes= the work range of 10MFP and icountPD operation



Ordering Information

Standard Products Table - icount PD fitted option

Part Number	Model	Motor Option	Inlet element	Outlet element	Filter bowl length	Electrical plug type	Standard fitted elements	
							Inlet	Outlet
10MFP140SA10Q1UKPD	10MFP	1*	40 SA	10Q	1	UK	940802	937399Q
10MFP140SA10Q1EURPD	10MFP	1*	40 SA	10Q	1	EUR	940802	937399Q
10MFP240SA10Q1INDPD	10MFP	2*	40 SA	10Q	1	IND**	940802	937399Q

Standard Products Table - Standard trolley specification

Part Number	Model	Motor Option	Inlet element	Outlet element	Filter bowl length	Electrical plug type	Standard fitted elements	
							Inlet	Outlet
10MFP140SA10Q1UK	10MFP	1*	40 SA	10Q	1	UK	940802	937399Q
10MFP140SA10Q1EUR	10MFP	1*	40 SA	10Q	1	EUR	940802	937399Q
10MFP240SA10Q1IND	10MFP	2*	40 SA	10Q	1	IND**	940802	937399Q

Note 1: Motor options* Option 1 = 220/240 VAC. Option 2 = 110 VAC.

Note 2: Plug Type** IND = industrial 110 VAC UK option.

Note 3: PD = icountPD, type IPD1232230.

Note 4: Standard items (Part number shown in bold type) are in stock.

Replacement filter element part numbers

Parker Moduflow Plus inlet filter (suction) 0.2 bar bypass	Nitrile
20µ Microglass III element	940971Q
40µ synthetic element	940802
40µ stainless steel element	940803

Parker Moduflow Plus outlet filter (pressure) 2.4 bar bypass	Nitrile
2µ Microglass III element	937397Q
5µ Microglass III element	937398Q
10µ Microglass III element	937399Q
20µ Microglass III element	937400Q
Water removal element	940734

Accessory part numbers

Description	Reference	Part Number
Mains cable (UK 2m cable, 230V~)		ACC6JE001
Mains cable (EUR 2m cable, 230V~)		ACC6JE002
N72530 Filter cover O-ring replacement (x2)		ACC6NX003

Description	Reference	Part Number
10MFP UK extension reel length 7.5m	Contact Parker	ACC6JE004
10MFP EUR extension reel length 7.5m		ACC6JE005