



PAR◇FIT™
SmaRT 1000

The smart replacement for the Pall SRT UE Element Series

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

The smart move

Now there's a smarter replacement for Pall SRT UE series elements: The Par Fit SmaRT1000 series. The result of engineering investment and innovation on a global scale, Par Fit SmaRT1000 elements combine the most advanced filter technology with universal availability and maximum affordability.

**A straight swap for Pall.
A step change in your performance.**

The Par Fit SmaRT1000 series is a direct replacement for a wide range of the Pall SRT UE element series; but with important performance and business advantages:

- Replacement for the Pall UE219, UE319 and UE619 series elements with the quality and performance you can expect from Parker
- Parker engineering, manufacturing quality and support – the assurance of product consistency and reliability, whatever the application, and wherever you are in the world
- Economical alternative, with extended replacement cycle and lower lifetime cost
- Incorporating Parker's unique QuantumFiber™ and Static Control media, for advanced filtration quality
- Availability from stock – removing the need for expensive stockholding, and minimising costly down time



The smart choice

The Par Fit SmaRT1000 series is designed as an exact fit for all standard Pall SRT filter housings, and specified to deliver outstanding durability, performance, efficiency and ease of use.

Smart by design

Pall UE219 and UE319 replacement elements feature a unique service tool. Supplied separately with every SmaRT1000 UE219 and UE319 replacement, the service tool makes the removal of the element from the filter housing a simple and clean process, and eliminates the risk of any direct contact with the contaminated element. The service tool also ensures that the element is held securely at all times during the replacement process.

For the Pall UE619 replacement elements, the increased material thickness of the extraction ring and support ribs provides added strength which ensures that the extraction ring remains connected to the rest of the element during the element removal - the Par Fit SmaRT1000 series element incorporates six ribs in comparison to only four in the original Pall design.

Service Tool

Prevents direct contact with contaminated element and ensures element does not 'fall off' during the replacement process.

Pall UE619 Replacement Elements

Unique design which ensures the correct interaction with the original Pall filter housing enabling the element to be withdrawn from the housing as the housing cap is removed.

Extraction Ring

Extra support with six support ribs to ensure added strength during the replacement process.

Pall UE219 & UE319 Replacement Elements

Smart design with unique service tool supplied with each UE219 and UE319 replacement element.

SmaRT Media

Par Fit SmaRT1000 elements incorporate a multi-layered media pack made up of wire support layers, fiberglass pre-filter and efficiency layers and static control treatment to prevent the build-up of static in the hydraulic fluid.



QuantumFiber™ - A new generation of filter media

QuantumFiber™ features a unique fibre composition that ensures that contamination is more evenly distributed, which in turn means that maximum filter efficiency is available over an extended lifetime. By helping to ensure consistently cleaner oil for longer, QuantumFiber™ increases the lifetime of critical system components such as pumps and valves, while simultaneously reducing costly downtime.

- 5-10% reduction of pressure drop compared with Microglass III
- Improved filtration efficiency at higher differential pressures
- Optimised distribution of contamination, ensuring longer filter lifetime by up to 30%

Static Control – Eliminating the effect of electro-static charging

Parker's Static Control filter media is a patent-pending solution to the problem of electro-static charging in hydraulic fluids – improving safety, extending oil lifetime and reducing the harmful impacts on the system caused by varnish build-up.

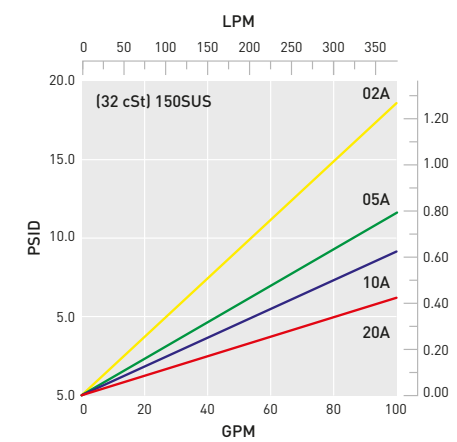
- Eliminates the effect of electro static charging within hydraulic fluids
- Without compromising efficiency, dirt holding capacity, or flow pressure
- Straightforward 'drop in' solution, with no need to modify vessels



The smart performance

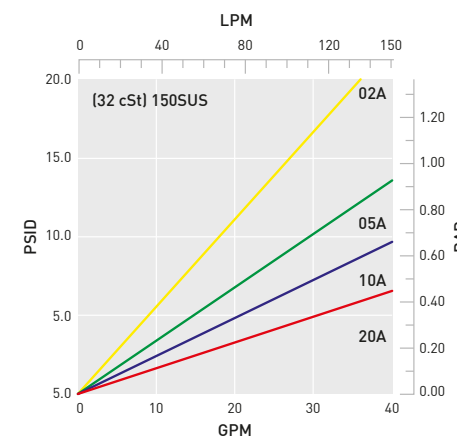
The Par Fit SmaRT1000 replacement element series has been rigorously tested to ensure outstanding performance across every application, and the most challenging conditions the world has to offer.

Pall UE219 – 13 Series Replacement Elements

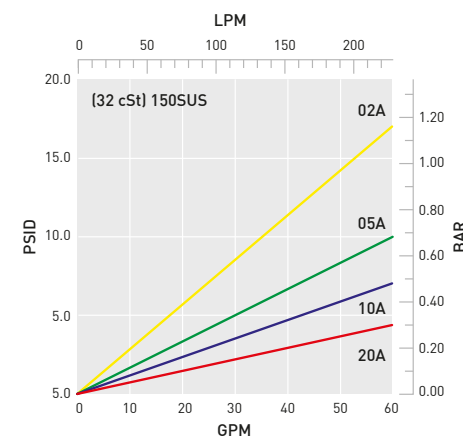


Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.g./0.9

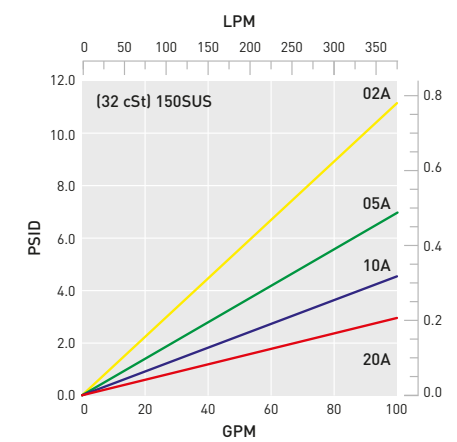
Pall UE219 – 04 Series Replacement Elements



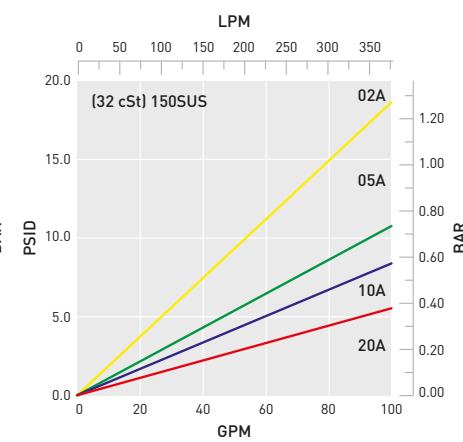
Pall UE219 – 08 Series Replacement Elements



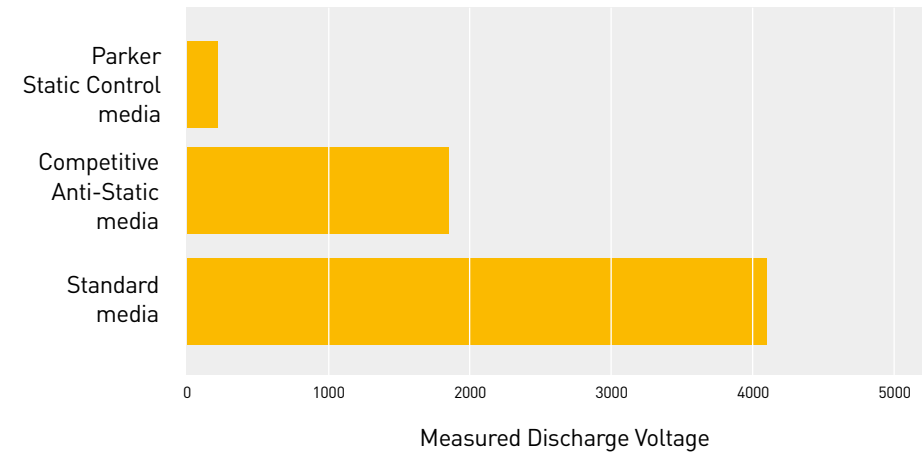
Pall UE219 – 20 Series Replacement Elements



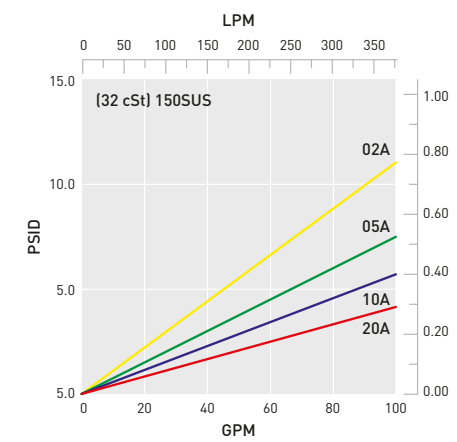
Pall UE319 – 08 Series Replacement Elements



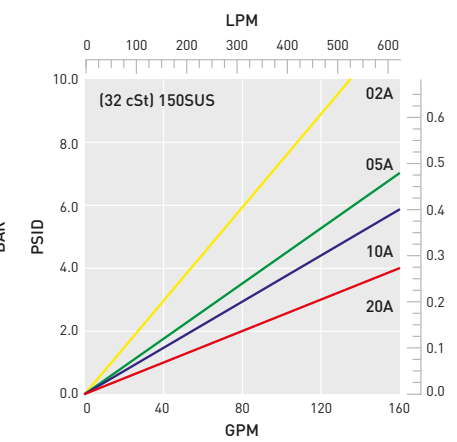
Laboratory test results



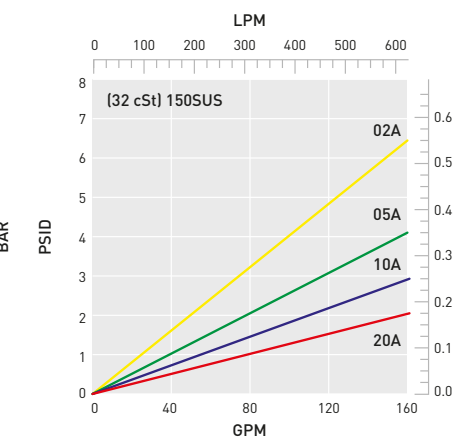
Pall UE319 – 13 Series Replacement Elements



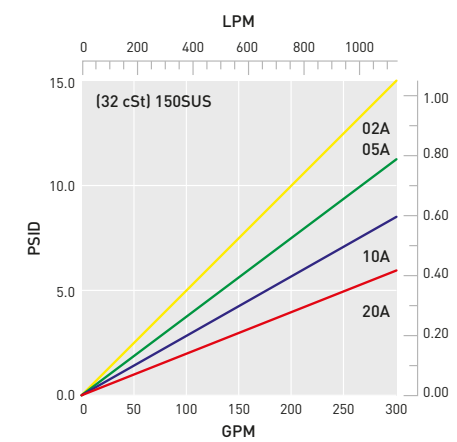
Pall UE319 – 20 Series Replacement Elements



Pall UE319 – 40 Series Replacement Elements

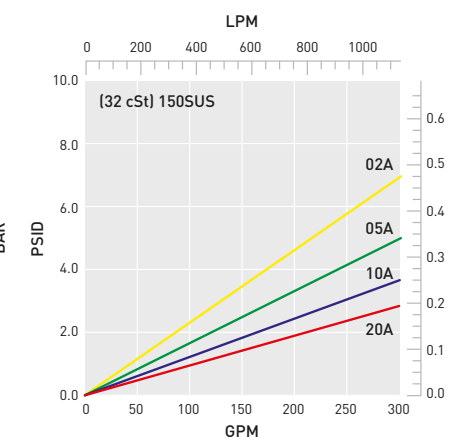


Pall UE619 – 20 Series Replacement Elements



Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.g./0.9

Pall UE619 – 40 Series Replacement Elements



Media Efficiency

Degree of filtration			
Pall Media Code	Pall βx(c) ≥ 1000 per ISO 16889	Parker Media Code	Parker βx(c) ≥ 1000 per ISO 16889
AP	5	02A	4.5
AN	7	05A	6.5
AS	12	10A	12
AT	22	20A	19.5

Ordering information

The SmaRT1000 series offers a straight replacement for 40 elements in the Pall SRT UE219, UE319 and UE619 Series.

The smart move

- An economical alternative to Pall SRT UE replacement elements
- Reassurance of Parker engineering pedigree
- The result of engineering investment and innovation on a global scale

The smart choice

- Covering a wide range of Pall SRT UE series elements
- Majority of parts available from stock
- Wide range of applications covered

The smart performance

- Smart by design – unique features to meet your needs
- Incorporating Parker's unique QuantumFiber™ and Static Control media
- The assurance of consistent performance and reliability

Competitor	Comp Part No	Parker Part No	Competitor	Comp Part No	Parker Part No
Pall	UE219AP04Z	940400Q	Pall	UE319AP13Z	940420Q
Pall	UE219AN04Z	940401Q	Pall	UE319AN13Z	940421Q
Pall	UE219AS04Z	940402Q	Pall	UE319AS13Z	940422Q
Pall	UE219AT04Z	940403Q	Pall	UE319AT13Z	940423Q
Pall	UE219AP08Z	940404Q	Pall	UE319AP20Z	940424Q
Pall	UE219AN08Z	940405Q	Pall	UE319AN20Z	940425Q
Pall	UE219AS08Z	940406Q	Pall	UE319AS20Z	940426Q
Pall	UE219AT08Z	940407Q	Pall	UE319AT20Z	940427Q
Pall	UE219AP13Z	940408Q	Pall	UE319AP40Z	940428Q
Pall	UE219AN13Z	940409Q	Pall	UE319AN40Z	940429Q
Pall	UE219AS13Z	940410Q	Pall	UE319AS40Z	940430Q
Pall	UE219AT13Z	940411Q	Pall	UE319AT40Z	940431Q
Pall	UE219AP20Z	940412Q	Pall	UE619AP20Z	940432Q
Pall	UE219AN20Z	940413Q	Pall	UE619AN20Z	940433Q
Pall	UE219AS20Z	940414Q	Pall	UE619AS20Z	940434Q
Pall	UE219AT20Z	940415Q	Pall	UE619AT20Z	940435Q
Pall	UE319AP08Z	940416Q	Pall	UE619AP40Z	940436Q
Pall	UE319AN08Z	940417Q	Pall	UE619AN40Z	940437Q
Pall	UE319AS08Z	940418Q	Pall	UE619AS40Z	940438Q
Pall	UE319AT08Z	940419Q	Pall	UE619AT40Z	940439Q

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000-99

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

European Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI,
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