

# HPQ320453 Series

Hy-Pro Filter Element Upgrades for  
Metso Element # MM0297258 and  
Parker Element # PLP300-MG-24

## Hy-Pro G8 Dualglass High Performance Filter Elements

### Performance

Temperature: Buna: -40°F ~ 214°F, -40°C ~ 101°C

Standard Element Collapse:  $\Delta P$  150 psi,  $\Delta P$  10 bar

### Media

G8 media pleat pack features our latest generation of graded density glass media that delivers required cleanliness while optimizing dirt capacity.

### Dynamic Filter Efficiency

DFE rated elements perform true to rating even under demanding variable flow and vibration conditions. Today's industrial and mobile hydraulic circuits require elements that deliver specified cleanliness under all circumstances. Wire mesh supports the media to ensure against cyclical flow fatigue, temperature, and chemical resistance failures possible in filters with synthetic support mesh.

### Water Removal

Media code "A" specifies G8 Dualglass media co-pleated with water removal scrim to produce a filter that can remove water while maintaining  $\beta_{X_{[c]}} > 1000$  efficiency down to  $1\mu / 2.5\mu_{[c]}$ .

### Fluid Compatibility

Petroleum based fluids, water glycols, polyol esters, phosphate esters, HWBF. Contact Hy-Pro for seal selection assistance.

### Tested to ISO Quality Standards

ISO 2941	Collapse and burst resistance
ISO 2942	Fabrication and Integrity test
ISO 2943	Material compatibility with fluids
ISO 3724	Flow fatigue characteristics
ISO 3968	Pressure drop vs. flow rate
ISO 16889	Multi-pass performance testing

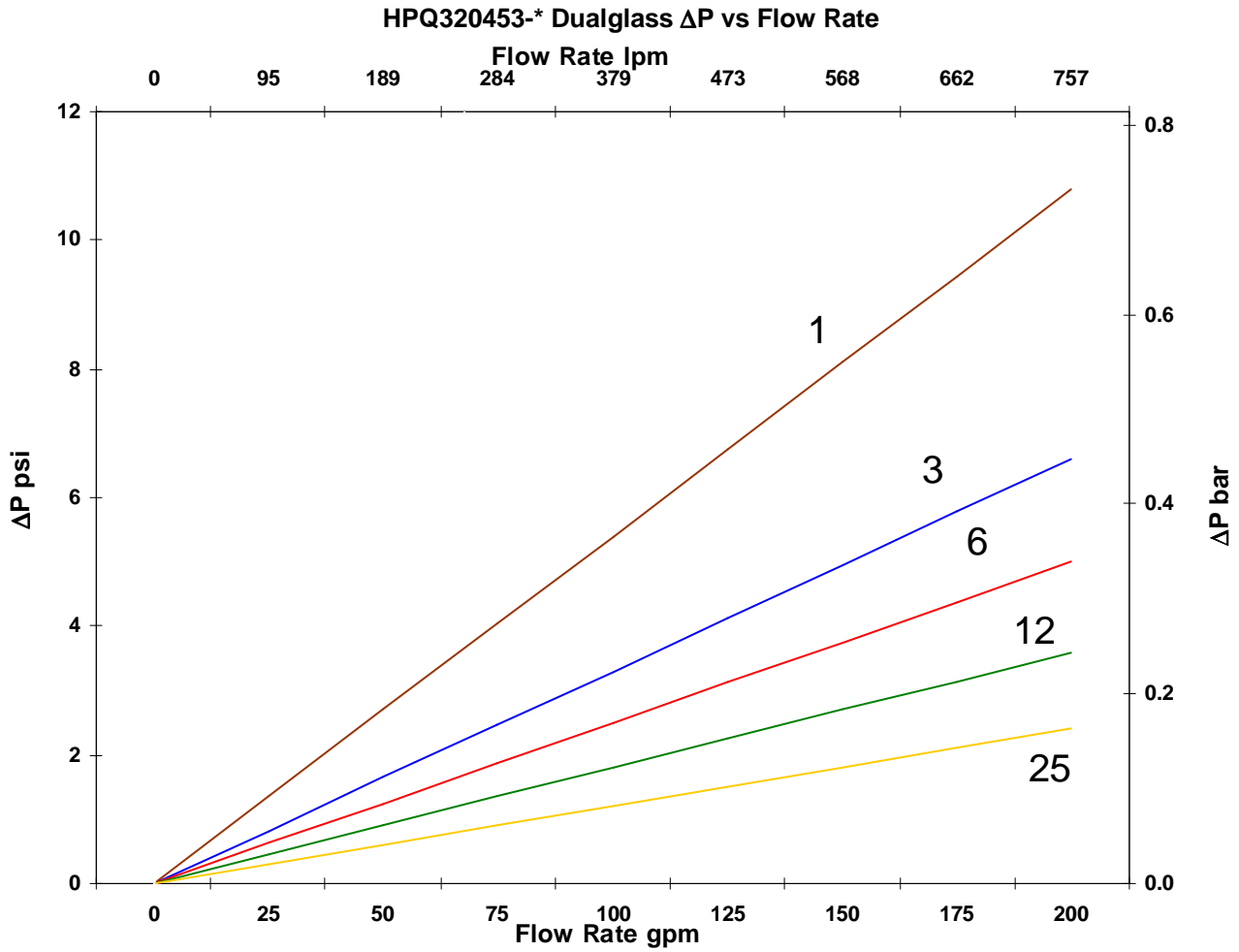
### Element Interchanges:

Metso	Hy-Pro
MM0297258	HPQ320453L24-25M

Parker	Hy-Pro
PLP300-MG-24	HPQ320453L24-25M

Available media selections include G8 Dualglass, Stainless Steel Mesh, Dynafuzz (Stainless Fiber), and Water Removal. Call or consult the Hy-Pro on line interchange guide at [www.hyprofiltration.com](http://www.hyprofiltration.com).

# FILTER ELEMENT FLOW vs PRESSURE DROP



**Adjusted Pressure Drop** : Pressure drop curves based on viscosity 150 SUS / 32 cSt, and specific gravity = 0.86. Element ΔP varies with viscosity and specific gravity. To adjust ΔP factor for different viscosities use the following formula:

**Kinematic Viscosity in SUS:**  $\Delta P \text{ Element} = \Delta P \text{ Curve} \times \text{Actual Viscosity SUS}/150 \times \text{Actual SG}/0.86$

**Kinematic Viscosity in cSt:**  $\Delta P \text{ Element} = \Delta P \text{ Curve} \times \text{Actual Viscosity cSt}/32 \times \text{Actual SG}/0.86$

Centistoke to SUS conversion: 1 cSt = 4.63 SUS



FILTRATION

[www.hyprofiltration.com](http://www.hyprofiltration.com)