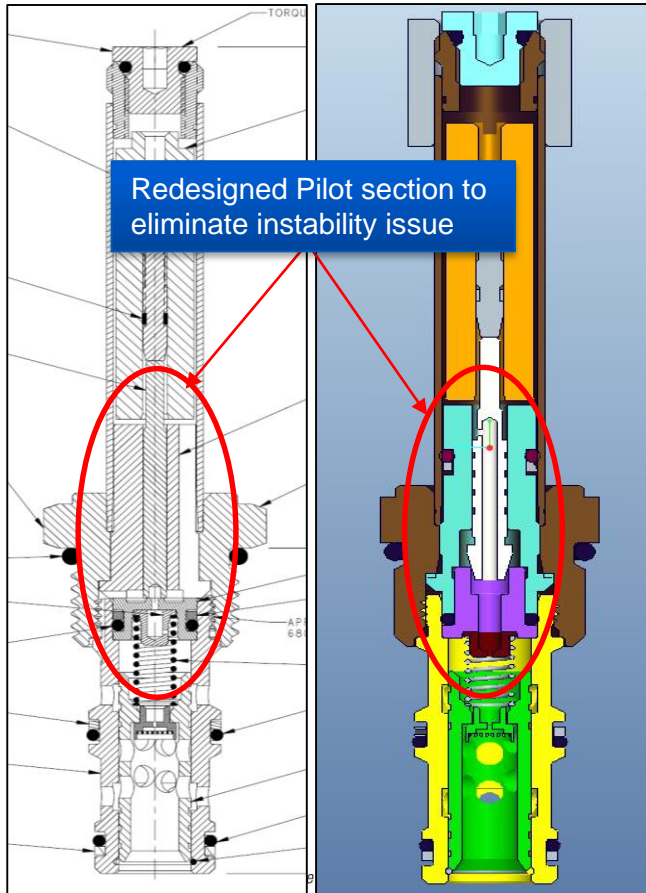


PPAR1-10



Program/Project Description :

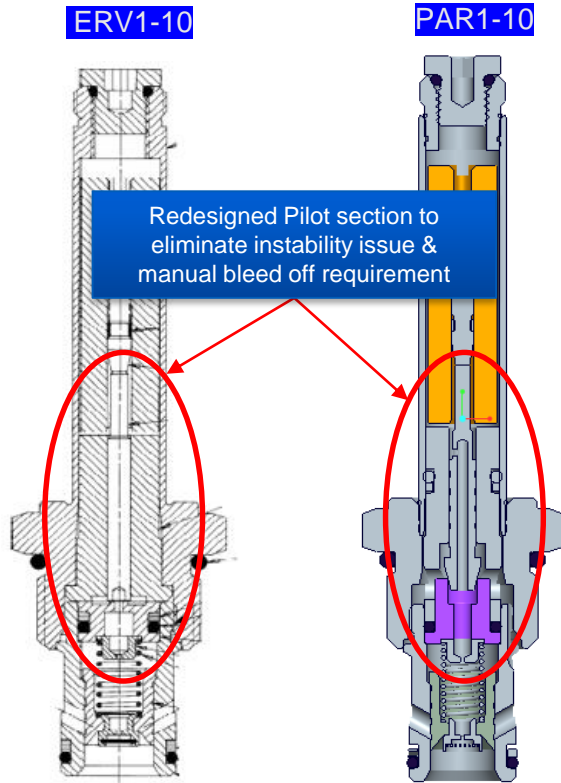
Design & develop an Electro-Proportional Reducing/ Relieving Valve with internal pilot of spool type
Manual Override to be added so that valve works functionally the same during power failure

Value Proposition :

- ❑ PPAR1-10 is a more stabilized design of the previously sold EPRV3-10 valve
- ❑ It has improved hysteresis and better relieving performance. We are also involving the Manual Override so the Valve performs the same, functionally, without electric supply
- ❑ Air bleed off operation removed which accounted for instability in pressure gain (EPRV3-10 valve)

Description	EPRV3-10	PPAR1-10
Cavity	C-10-3	C-10-3
Thread Size	7/8-14 UNF-2B	7/8-14 UNF-2B
Typical application pressure	3000 PSI	3000 PSI
Rated Flow	32 lpm (8 GPM)	32 lpm (8 GPM)
Min Pressure Setting at 0 Amp current	100 PSI	100 PSI
Regulating Pressure range	500-3000 PSI	100-3000 PSI
Coil Power	J series, 23W	J series, 23W

PAR1-10



Program/Project Description :

Design Electro-Proportional Relief Valve

Rated Flow: (15 USgpm)

Rated Pressure: 240 bar (3500 psi)

Value Proposition :

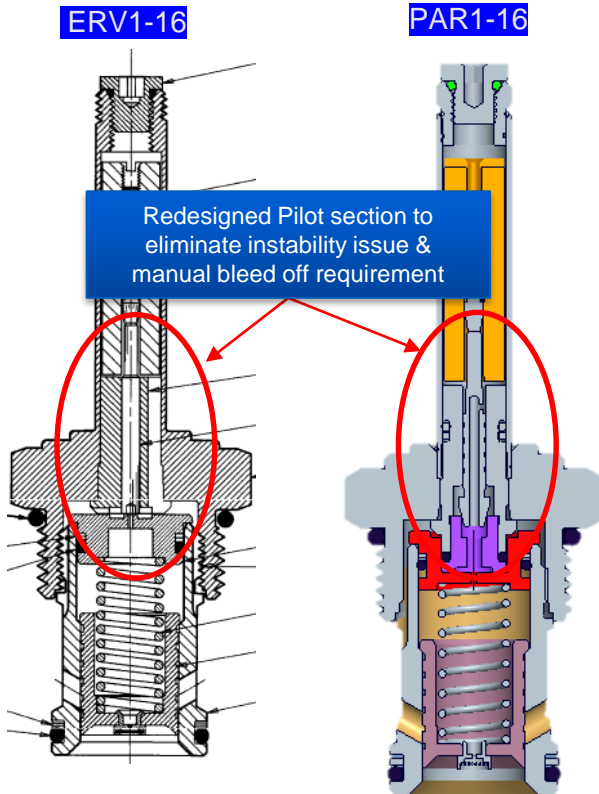
- ❑ PAR1-10 is a more stabilized design of the current production valve ERV1-10 valve
- ❑ PAR1-10 has stability improvement with balanced poppet design for the pilot section as highlighted
- ❑ No requirement of manual air bleed off like ERV1-10

Description	ERV1-10	PAR1-10
Cavity	C-10-2	C-10-2
Thread Size	7/8-14 UNF	7/8-14 UNF
Maximum application pressure	3500 PSI	3500 PSI
Rated Flow	57 L/min (15 GPM)	57 L/min (15 GPM)
Regulating Pressure range	500-3000 PSI	500-3000 PSI
Coil Power	J series, 23W	J series, 23W



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PAR1-16



Program/Project Description :

Design Electro-Proportional Relief Valve.

Rated Flow: 152 LPM (35 USgpm)

Rated Pressure: 210 bar (3000) psi

Value Proposition :

- ❑ PAR1-16 is a more stabilized design of the current production valve ERV1-16 valve
- ❑ PAR1-16 has stability improvement with balanced poppet design for the pilot section as highlighted
- ❑ No requirement of manual air bleed off like ERV1-16

Description	ERV1-16	PAR1-16
Cavity	C-16-2	C-16-2
Thread Size	1 5/16-12 UNF-2A	1 5/16-12 UNF-2A
Maximum application pressure	3000 PSI	3000 PSI
Rated Flow	132 L/min (35 GPM)	132 L/min (35 GPM)
Regulating Pressure range	500-3000 PSI	500-3000 PSI
Coil Power	J series, 23W	J series, 23W



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