



QL THERMOSTATIC LIMITED

Technical Data for QL Pressure Balance Valve

For use with 40mm Cartridges

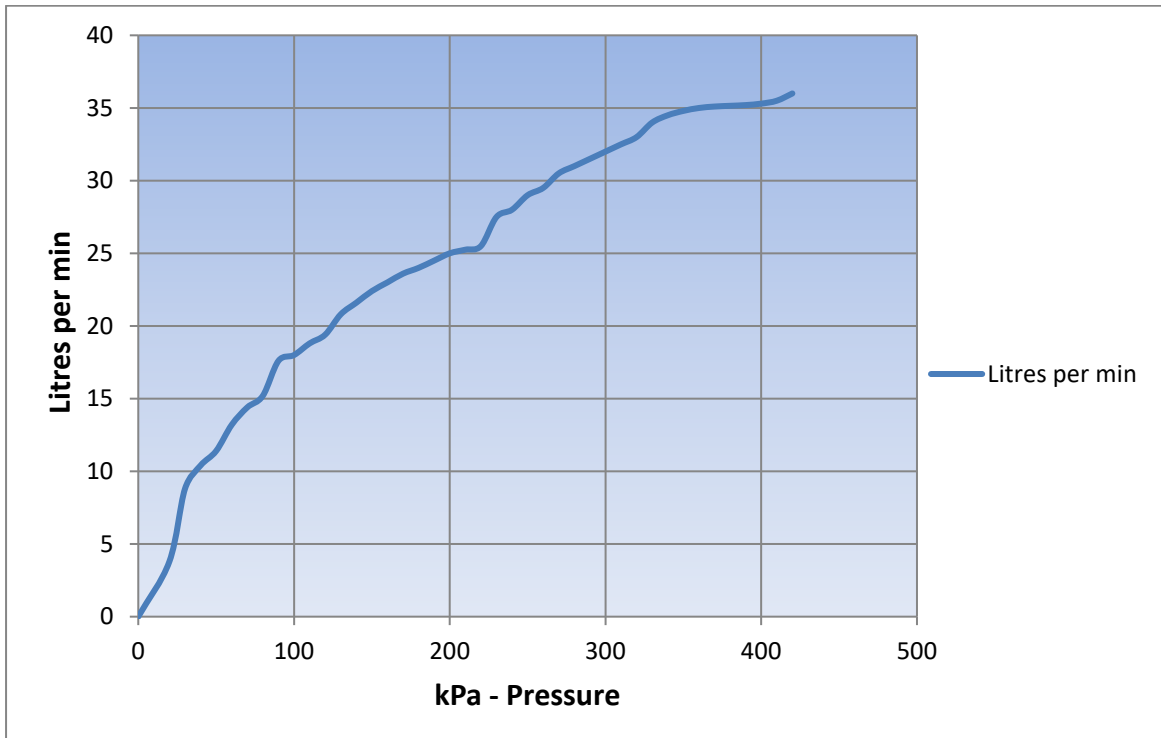


1.1. Performance Data

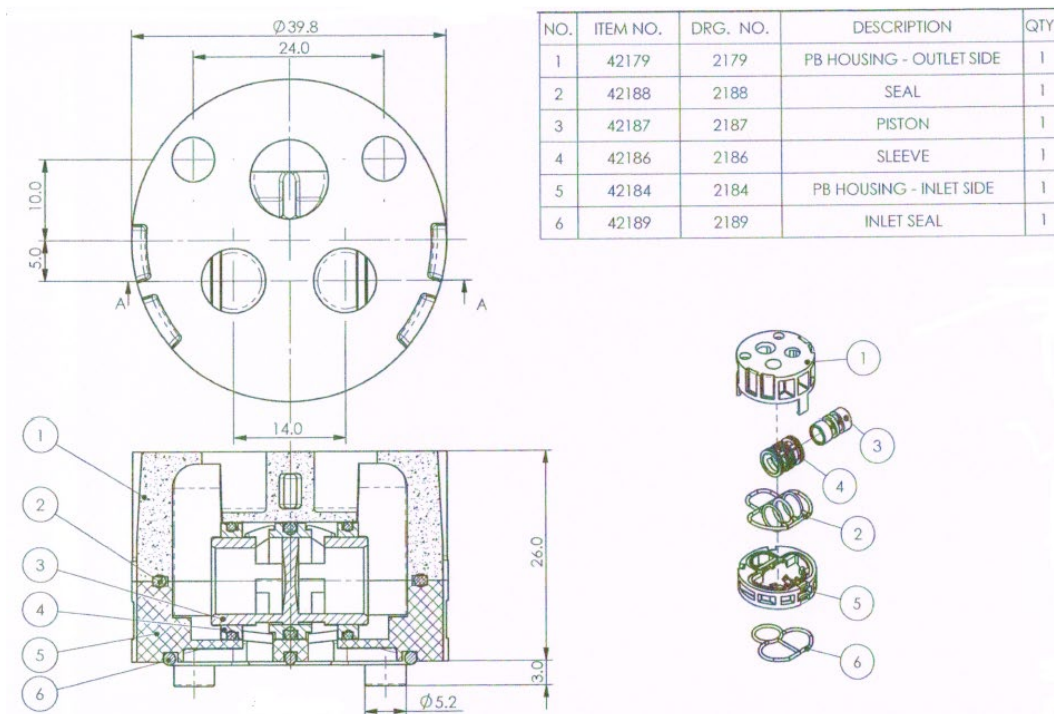
Burst Pressure		> 9,000 kPa / 1,305 PSI
Max. static pressure		1,000 kPa / 145 PSI
Maximum Hot Water		90° C
Life cycle	ASSE 1016-2011/ASME A 112.1016-2011/CSA B125.16-11 (4.5)	>80,000 cycles-passed
Pressure and Temperature Variation	ASSE 1016-2011/ASME A 112.1016-2011/CSA B125.16-11 (4.6)	<0.5° C-passed
Water Supply Failure Test - Cold	ASSE 1016-2011/ASME A 112.1016-2011/CSA B125.16-11 (4.7)	0 Leakage-passed
Water Supply Failure Test - Hot	ASSE 1016-2011/ASME A 112.1016-2011/CSA B125.16-11 (4.7)	0 Leakage-passed
Flow rate at 100 kPa		18 l/min
Flow rate at 400 kPa		35 l/min

All independent tests completed April 08 2014 at MIRDC, Taiwan

1.2. Pressure Balance Valve Flow Rate



1.3. Pressure Balance Valve Dimensions



1.4. Wetted part list Pressure Balance Valve

Part description:	Part number	Trade name:	Quantity:	Total surface in mm2:	Wetted area in mm2	Wetted area in inch2	ACS:	WRAS:	KTW	W270: (only for plastic and rubber)	NSF:
PB Cartridge Housing Outlet side	2179	PPO Noryl FE1630PW-73701 (Black) + 30% GF	1	8473.63	3050.5068	4.728	X	X	X	X	X
PB Cartridge Housing Inlet side	2184	PPO Noryl FE1630PW-73701 (Black) + 30% GF	1	6511.65	2734.893	4.239	X	X	X	X	X
Sleeve	2186	1.4301 Stainless Steel	1	1577.27	1482.6338	2.298	-	-	-	--	X
Piston	2187	1.4301 Stainless Steel	1	1157.86	1157.86	1.795	-	-	-	--	X
Compound Seal	2188	EP02971PWRC (Black)	1	1209.2	217.656	0.337	X	X	X	X	X
Inlet / Outlet Seal	2189	EP02971PWRC (Black)	1	631.27	75.7524	0.117	X	X	X	X	X
Grease	GBS-2	Berusoft 30	--	--	--	--	X	X	X	-	X