



PRODUCT SPECIFICATIONS	
MAXIMUM INLET PRESSURE	SEE TABLE BELOW
1" 150 LB. FLANGE RATING	285 PSI AT 100° F.
1" 300 LB. FLANGE RATING	740 PSI AT 100° F.
1" 600 LB. FLANGE RATING	1480 PSI AT 100° F.
MAXIMUM OUTLET PRESSURE	DETERMINED BY SPRING SELECTION
MAXIMUM DIAPHRAGM HOUSING OVERPRESSURE TO PREVENT DAMAGE TO INTERNAL COMPONENTS	60 PSI ABOVE SET POINT
MAXIMUM DIAPHRAGM HOUSING PRESSURE TO PREVENT LEAKAGE TO ATMOSPHERE	250 PSI
MAXIMUM DIAPHRAGM HOUSING PRESSURE TO PREVENT BURST	375 PSI
TEMPERATURE RANGE	-20° TO 180° F.
MATERIALS	
BODY	ASTM A216 WCC CARBON STEEL
DIAPHRAGM / SPRING HOUSING	A380 DIE CAST ALUMINUM
ORIFICE / SEAL HOLDER	316 STAINLESS STEEL
FLANGES	ASTM A105 CARBON STEEL

MAXIMUM INLET PRESSURES													
OUTLET RANGE	5-20 PSI (2) (YELLOW SPG.)			15-40 PSI (GREEN SPG.)			35-80 PSI (BLUE SPG.)			70-150 PSI (RED SPG.)			
SEAL MATL.	-B	-N	-V	-B	-N	-V	-B	-N	-V	-B	-N	-V	
ORIFICE SIZE	1/8"	1000	1000	300	1000	1500	300	1000	2000	300	1000	2000	300
	3/16"	750	750	300	1000	1000	300	1000	1750	300	1000	2000	300
	1/4"	500	500	300	750	750	300	1000	1500	300	1000	1750	300
	3/8"	300	300	300	500	500	300	1000	1000	300	1000	1250	300
	1/2"	250	250	250	300	300	300	750	750	300	750	750	300
NOTES	1. WHEN USING THE 10-95 PSI (BLACK) SPRING, SELECT THE ORIFICE SIZE BASED ON THE DIFFERENTIAL PRESSURES DESCRIBED ABOVE.												
	2. FOR OUTLET PRESSURE SETTINGS UNDER 10 PSI, THE INLET PRESSURE CAN NOT EXCEED 100 PSI.												

KENCO 1" FLANGED LOW PRESSURE REGULATOR ORDERING INFORMATION
(DESIGNATIONS ARE IN PARENTHESES)

MODEL	PROCESS CONNECTION	OUTLET PRESSURE (SPRING) RANGE		ORIFICE SIZE		ORIFICE SEAL MATERIAL	DIAPHRAGM / O-RING MATERIAL
KPRL	1FL150 (1" 150 LB. R.F. FLANGE)	20 (5-20 PSI)	40 (15-40 PSI)	125 (1/8")	188 (3/16")	B (NITRILE) N (NYLON) V (FLUOROCARBON)	B (NITRILE) V (FLUOROCARBON)
	1FL300 (1" 300 LB. R.F. FLANGE)	80 (35-80 PSI)	95 (10-95 PSI)	250 (1/4")	375 (3/8")		
	1FL600 (1" 600 LB. R.F. FLANGE)	15 (70-150 PSI)		500 (1/2")			

EXAMPLE MODEL NUMBER:

KPRL-1FL150-20-125-B-B

1" REGULATOR WITH 1" 150 LB. FLANGED CONNECTIONS, 5-20 PSI OUTLET PRESSURE RANGE, 1/8" ORIFICE, NITRILE ORIFICE SEAL, AND NITRILE DIAPHRAGM AND O-RINGS.

REV.				DESCRIPTION				DIM'S IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED.				Kenco ENGINEERING 12550 Oldham, USA		MATERIAL: SEE BOM	
A	4-29-20	CJ		RELEASED				ANGULAR	±1/2°	TITLE:		REGULATOR, LOW PRESSURE KPRL-1FLXXX-XX-XXX-X-X		RELEASE LEVEL: RELEASED	
								FRACTIONAL	±1/64"	DRN. BY: CJ		SCALE: 0.700		DRAWING CREATED IN PRO/ENGINEER	
								(X.X)	±0.015"	CHD. BY: BRC		REVISION: A		DRAWING NUMBER	
								(X.XX)	±0.010"	DATE: 04-13-20		SHEET 1 OF 3		85267	
								(X.XXX)	±0.005"						
								MACH FILET RAD. 0.31"	125-MAX. FINISH ALL MACHINED SURFACES						

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