

The KP1H LP is our newest expansion of our proven KP1H platform, which allows for consistent and accurate proportioning in facilities and buildings with low water pressure. With the KP1H LP, both bucket fill and bottle fill can efficiently dispense chemical at 1 GPM (3.6 LPM) in water pressure as low as 12.5 PSI (.86 bar).

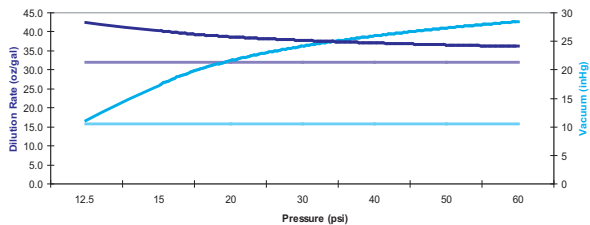


- Fills buckets and bottles at 1 GPM (3.8 LPM)
- Operates in water pressure from 12.5 PSI to 60 PSI (.86 to 4.14 bar)
- 16 different dilution ratios (4.3:1 to 256:1)
- Flex-Gap back flow preventor
- KP1H Complete LP has a durable rolled steel cover with powder-coated finish
- KP1H LP has a strong, lightweight plastic cover

KP1H LP and Low Water Pressure

Often, low water pressure is a common uncontrollable problem in many facilities and buildings. This creates a problem for many proportioners where a minimal of 25 PSI (1.72 bar) of water flow pressure is needed to operate properly. At low water pressures, the flow of water through the most dispensers will not create enough suction to draw the correct amount of chemical into the water stream, resulting in low chemical/water ratios. This diluted chemical can create cleansers with insufficient cleaning power, or when using sanitizers or disinfectants, incorrect dilutions could result in a non-compliance with health department or other regulatory bodies. The design of the KP1H LP proportioners ensures that target dilution ratios are achieved every time at water pressures as low as 12.5 PSI (.86 bar). The KP1H LP & KP1H Complete will dispense accurate dilutions with bucket fill and bottle fill at a 1 GPM (3.8 LPM) flow rate.

Performance Data



Pressure	12.5	15	20	30	40	50	60
Ratio	3.1	3.2	3.4	3.3	3.2	3.6	3.7
Dilution	43.0	40.0	37.6	38.8	40.0	35.6	34.6
Target	32	32	32	32	32	32	32
Vacuum	11.0	16.25	22	25.75	26.75	27	27.0
Target	10.5	10.5	10.5	10.5	10.5	10.5	10.5



Dilution rate and vacuum exceed specifications

Now able to fill buckets with water pressure as low as 12.5 PSI (.86 bar)

Dilution Ratio Chart

TIP COLOR	1 GPM	
	OZ/GAL	RATIO
NO INSERT		
WHITE	30.00	4.3:1
YELLOW	29.00	4.4:1
PINK	27.00	4.7:1
DK GREEN	24.00	5.3:1
BLACK	20.00	6.4:1
BROWN	14.00	9.1:1
GRAY	10.00	12.8:1
BLUE	8.00	16.0:1
RED	6.00	21.3:1
PEACH	5.00	25.6:1
LT BLUE	4.00	32.0:1
PURPLE	3.00	42.7:1
LT GREEN	2.00	64.0:1
ORANGE	1.00	128.0:1
LT BROWN	0.50	256.0:1

Flex-Gap™ High hazard, A.S.S.E. listed Flex-Gap™ backflow preventor protects against cross-contamination of water supply and deters product foaming.



KP1H LP Models



KP1H Low Pressure
1-Product Bucket Fill Station w/ Button Actuator



KP1H Low Pressure
4-Product Dial 4 Bucket Fill Station w/ Button Actuator

KP1H Complete LP Models



KP1H Complete LP
1-Product Bucket Fill Station w/ remote bucket fill pistol grip



KP1H Complete LP
5-Product Fill Station w/ 1 product bucket fill and 4 product bottle fill

ORDERING INFORMATION

KP1H & KP1H Complete LP

Part No.	Description	Back Flow Preventor	Flow Rate
7650061	KP1H Low Pressure (1-Product Bucket Fill Station w/ Button Actuator)	Flex-Gap	1 GPM
7650071	KP1H Low Pressure (4-Product Dial 4 Bucket Fill Station w/ Button Actuator)	Flex-Gap	1 GPM
7650163	KP1H Complete Low Pressure (1-Product Bucket Fill Station w/ remote bucket fill pistol grip)	Flex-Gap	1 GPM
7650161	KP1H Complete Low Pressure (5-Product Bucket Fill Station w/ bottle actuator and remote bucket fill pistol grip)	Flex-Gap	1 GPM

KNIGHT LIMITED WARRANTY

Knight controls and pump systems are warranted against defects in material and workmanship for a period of ONE YEAR. All Electronic Control Boards have a TWO YEAR warranty. Warranty applies only to the replacement or repair of such parts when returned to the factory with a KRA number, freight prepaid and found to be defective upon factory inspection. Rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user. Knight does not accept any liability in such circumstances.

KNIGHT DISCLAIMER

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