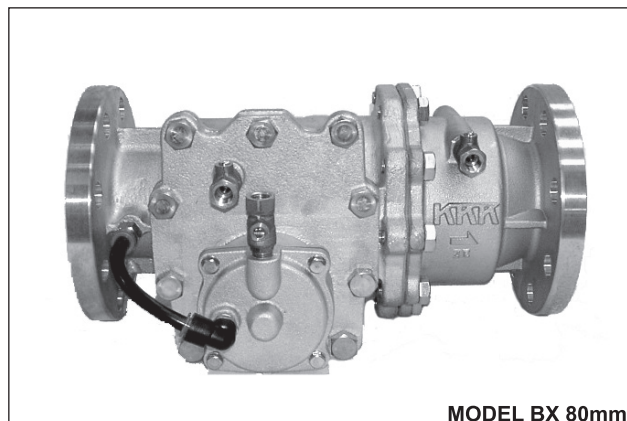


## Reduced Pressure Principle Backflow Preventer : Model BX,CX



### ●Operating Conditions:

MODEL		BX,CX					
Nominal Size	mm	20	25	32	40	50	80
	inch	3/4	1	1-1/4	1-1/2	2	3
Applicable Fluid		Water, Hot water(without 80mm)					
Working Temperature		0 to 60°C, 100°C					
Working Pressure (inlet)		BX, 0.1 to 0.75MPa CX, 0.05 to 1.0MPa					
Shell Test Pressure		1.75MPa					
Installation		Horizontal					

### ●Basic Application:

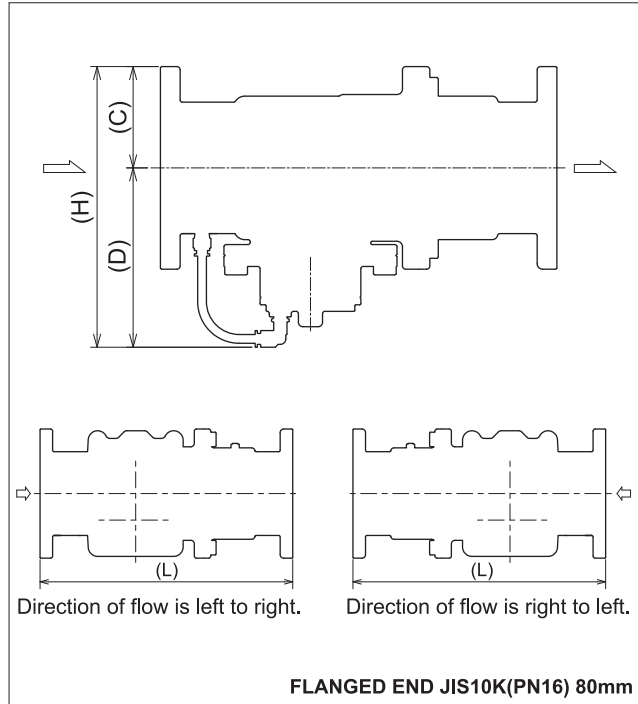
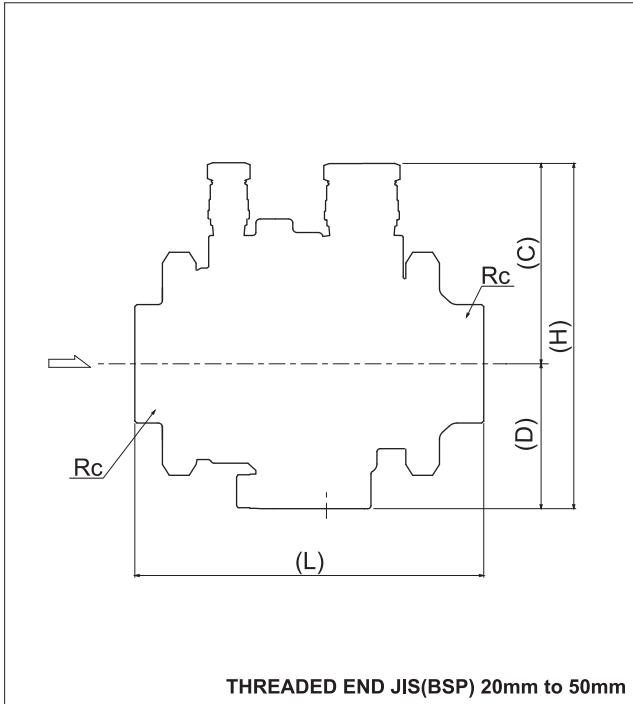
BX: Upstream of booster pumps, Chemical plant pipelines, washing machines, etc.

CX: Upstream of sprinklers, water heaters, branch pipes of individual flats.

### ●Features:

1. The length of the valve has been reduced by 50% over previous models, so space and handling cost will be reduced by 50%.
2. Head loss of the CX has been reduced by 50% over the BX and other brands throughout the world, so CX will save on pump operation costs.
3. The valves' design of two easy-tight nuts will save on the cost and time of installation and replacement.
4. Since they are designed as safety devices, BX and CX are made so that the manufacturer may also perform maintenance.

## Reduced Pressure Principle Backflow Preventer : Model BX,CX



### ●Dimensions:

unit:mm

Connection Standard: JIS B0203 & BS21						
Nom.size		L	H	C	D	E
mm	inch					
20	3/4	127	121	75	46	min.26
25	1	127	121	75	46	min.26
32	1-1/4	163	175	102	73	min.50
40	1-1/2	163	175	102	73	min.50
50	2	183	175	102	73	min.50

### ●Materials:

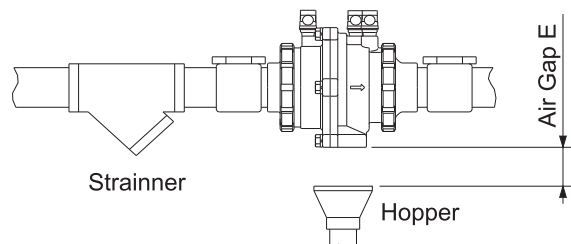
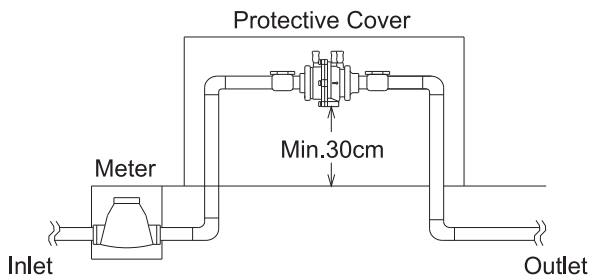
Description	Material
Body A	Bronze/Stainless Steel
Body B	Bronze/Stainless Steel
Disc	EPDM(PPS/Bronze)
Disc Holder	EPDM/(Bronze/Brass)
Diaphragm	EPDM/FKM
Test Cock	Bronze

unit:mm

Nom.size		L	H	C	D	E	Flange
mm	inch						
80	3	362	257.5	92.5	165	min.64	JIS 10K
		366	265	100	165	min.64	PN16

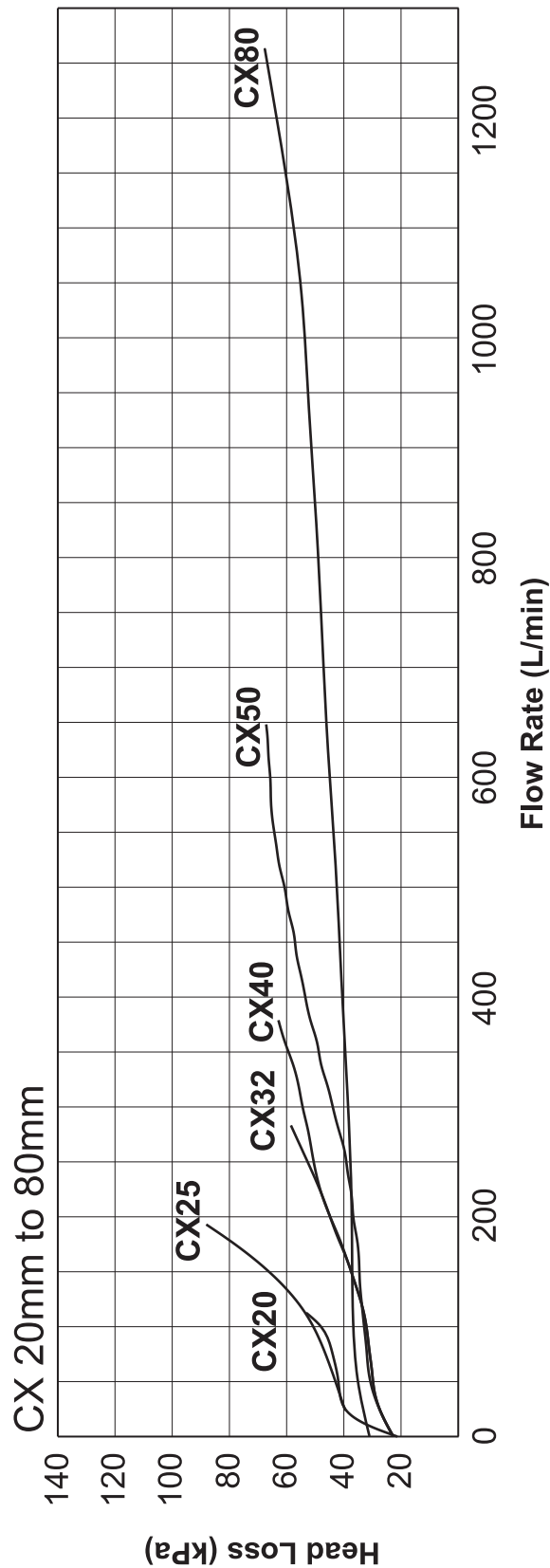
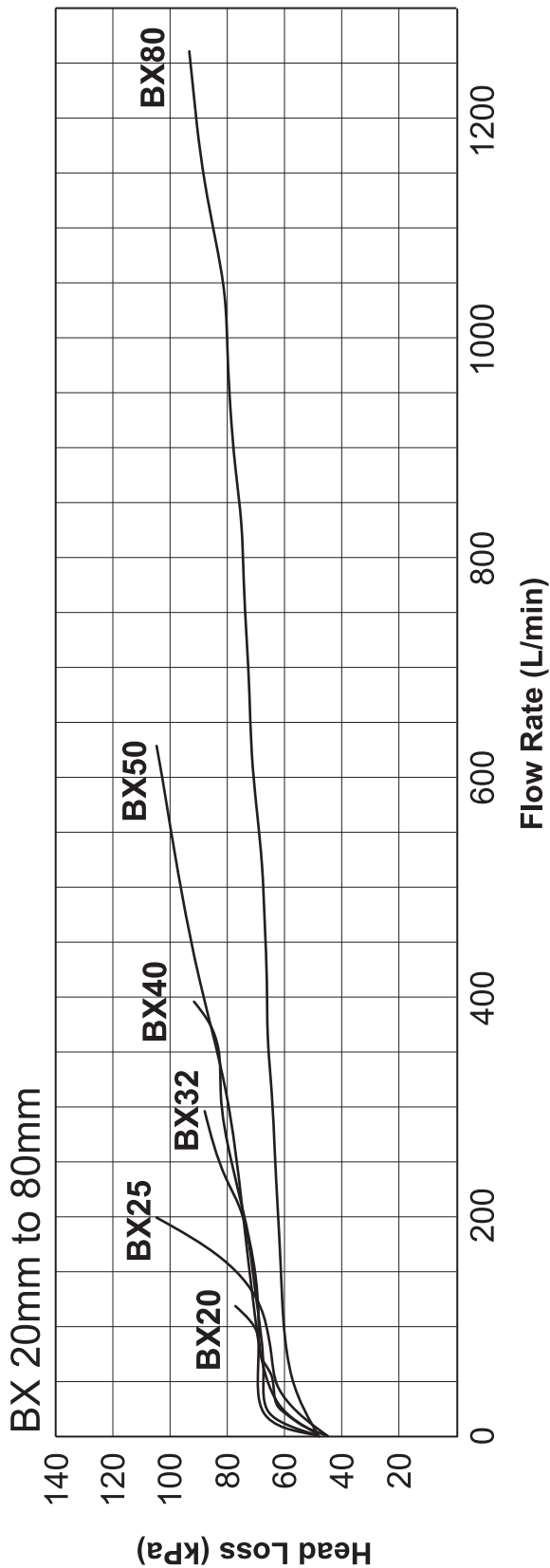
### ●REMARKS FOR INSTALLATION:

Hopper must be fixed to drain pipe



## Reduced Pressure Principle Backflow Preventer : Model BX,CX

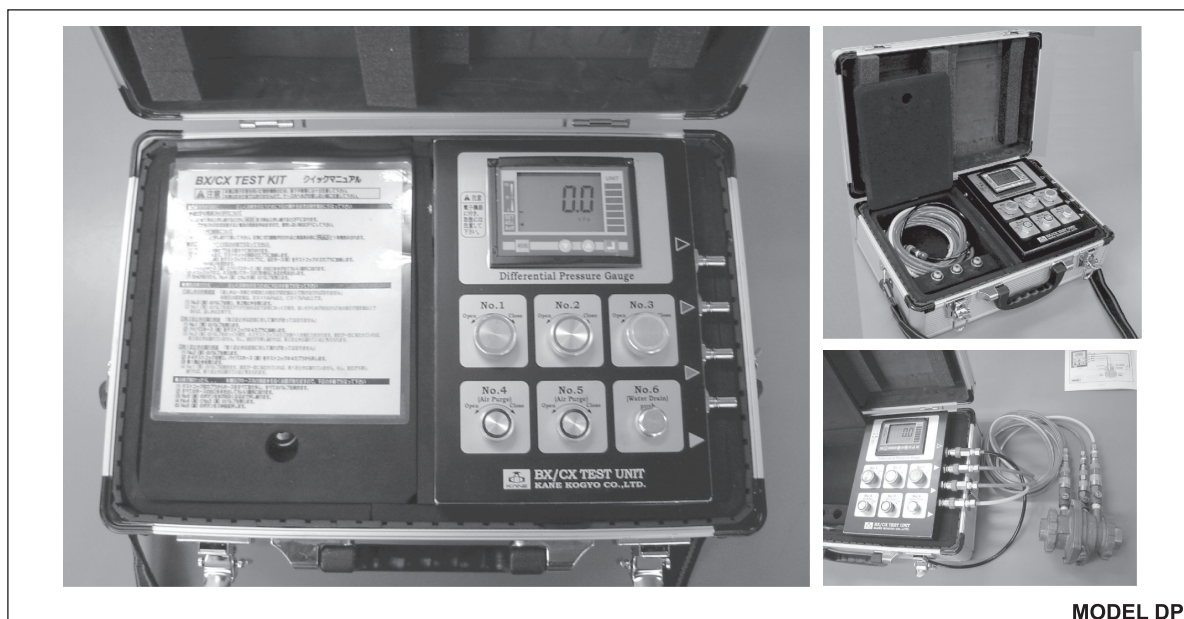
### ● Pressure Characteristics:



### Job Ref. of Major Project

● Tokyo Disney Land	BX, CX	● Palece Hotel Tokyo	CX
● The University of Tokyo	BX, CX	● Roppongi Hills Large Commercial building	CX
● Tokyo Fire Department Head Office	CX	● Tokyo Stock Exchange Office Tower	CX
● Japan Coast Guard Office Tower	CX	● Canon Inc. Office Tower	BX
● National Cancer Center Hospital East	CX	● Centoral Japan Railway Tokyo Station	BX
● Hakodate National Hospital	CX	● Shangri-la Hotel Tokyo	CX
● Japan Ground Self Defense Force Camp	BX, CX	● Shiseido Cemical Chemical plant	CX
● U.S. Yokota Air Force	CX	● Nomura Research Institute Office Tower	CX
● Tokyo Institute of Technology National University	CX	● Japan IBM Makuhari Building	BX
● Nippon Life Insurance Company	CX	● Bridgestone Corporation Plant	CX
● U.S. Fleet activities Yokosuka	CX	● Japanese Red Cross Kyoto No. 1, 2 Hospital	BX
● National Astronomical Observatory of Japan	BX	● The Tokugawa Art Museum	BX
● Tokyo Disney Sea	BX, CX	● Bank of Tokyo Mitsubishi UFJ Sagamihara Building	CX
● Kitakyushu Air Port	BX	● NTT Communication Building	BX
● Chiba Court Building	CX	● Nippon Medical School Hospital	CX
● European Union Japan Office Office Tower	CX	● Tokyo University of Science	CX
● The Institute of Medical Science The University of Tokyo	CX	● Kawasaki Medical University	CX
		● Keio University	CX

## Digital Differential Pressure Gauge : Model DP



MODEL DP

### ●Operating Conditions:

MODEL	DP
Applicable Fluid	Potable Water
Working Temperature	0 to 40°C
Working/Storage Temperature	-5 to 50°C(without freezing and condensation)
Differential Pressure Range	100kPa
Max.Differential Pressure	700kPa(one-side pressure resistance)
Max.Pressure	2MPa(both-side pressure resistance) (negative pressure side:-90kPa)
Accuracy	±1.0%F.S. + 1digit at 23°C
Power Source	AA alkaline battery (LR6)×2

### ●Features:

1. Model DP is a fully digital differential pressure gauge.
2. Model DP is specially designed as function-testing equipment of principle reduced backflow preventors.
3. Model DP is a portable digital gauge with a dry cell power source.
4. Water remaining inside the unit can be easily removed with a pump.
5. Tube ends are designed with quick touch connections.