

Compact Ball Valves / Compact Needle Valves

Knurled

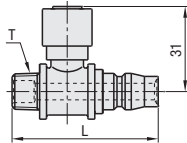
•Compact Ball Valves The photo shows "open" status. Close condition can be obtained by counterclockwise rotation of 90°.

Knurled PT Male / Coupler Socket



M Material: Brass S Surface Treatment: Chrome Plating

BBKB

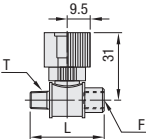


Knurled PT Male / PF Female



M Material: Brass S Surface Treatment: Chrome Plating

BBPTS

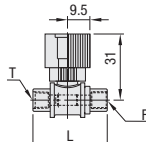


Knurled PT / PF Female



M Material: Brass S Surface Treatment: Chrome Plating

BBFFS



Part Number		T	L	Unit Price	Volume Discount Rate
Type	No.	R (PT)		1 ~ 4 pc(s).	5~10
BBKB	11F	1/8	53		
	22F	1/4			
	33F	3/8			

Ordering Example
Part Number
BBKB11F

For orders larger than indicated quantity, please check with WOS.

Part Number		T	F	L	Unit Price	Volume Discount Rate
Type	No.	R (PT)	G (PF)		1 ~ 4 pc(s).	5~30
BBPTS	11F	1/8	1/8	43		
	12F	1/8	1/4			
	21F	1/4	1/8			
	22F	1/4	1/4	53		
	32F	3/8	1/4			
	43F	1/2	3/8			

Height of 33F and 43F is 32.

For orders larger than indicated quantity, please check with WOS.

Part Number		T	F	L	Unit Price	Volume Discount Rate
Type	No.	Rc (PT)	G (PF)		1 ~ 4 pc(s).	5~30
BBFFS	11F	1/8	1/8	43		
	12F	1/8	1/4			
	21F	1/4	1/8			
	22F	1/4	1/4	53		
	33F	3/8	3/8			

Height of 33F is 32.

For orders larger than indicated quantity, please check with WOS.

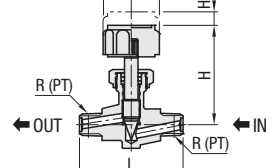
Compact Needle Valves

PT / PT Male



M Material: Brass
S Surface Treatment: Chrome Plating

NSBPP

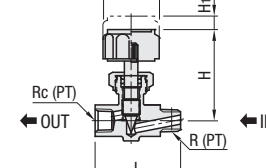


PT Male / PT Female



M Material: Brass
S Surface Treatment: Chrome Plating

NSBPC

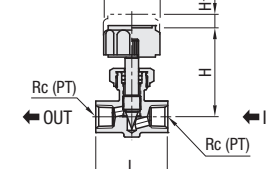


PT / PT Female



M Material: Brass
S Surface Treatment: Chrome Plating

NSBCC

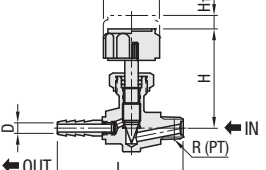


PT Male / Hose Connection



M Material: Brass
S Surface Treatment: Chrome Plating

NSBHR



Part Number		R	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)				1 ~ 4 pc(s).	5~20
NSBPP	11	1/8	46	44	6		
	22	1/4	46				
	33	3/8	50				

For orders larger than indicated quantity, please check with WOS.

Part Number		R	Rc	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)	(PT)				1 ~ 4 pc(s).	5~20
NSBPC	11	1/8	1/8	38	41	6		
	22	1/4	1/4	42	44			
	33	3/8	3/8	45				

For orders larger than indicated quantity, please check with WOS.

Part Number		Rc	Rc	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)	(PT)				1 ~ 4 pc(s).	5~20
NSBCC	11	1/8	1/8	32	41	5		
	22	1/4	1/4	36				
	33	3/8	3/8	40	44	6		

For orders larger than indicated quantity, please check with WOS.

Part Number		Applicable Hose I.D. (mm)	R	D	L	H	H1	Unit Price	Volume Discount Rate
Type	No.		(PT)					1 ~ 4 pc(s).	5~20
NSBHR	61	6	1/8	7	56	44	6		
	93	9	3/8	10.5	66				

For orders larger than indicated quantity, please check with WOS.

Specifications

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-10 ~ 80°C (No Freezing)
Max. Operating Pressure	0.98MPa

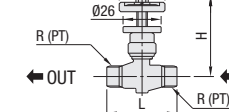
Needle Valves

Male Both Ends



M Material: Brass S Surface Treatment: Chrome Plating

NBPP

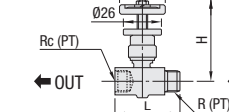


Male Thread / Female Thread



M Material: Brass S Surface Treatment: Chrome Plating

NBPC

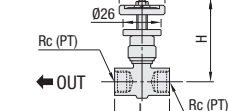


Female Both Ends



M Material: Brass S Surface Treatment: Chrome Plating

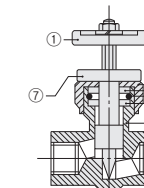
NBCC



Specifications

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-10 ~ 80°C (No Freezing)
Max. Operating Pressure	0.98MPa

Parts and Materials for Needle Valves



Part No.	Part Name	Material	Qty.	Processing
①	Handle	EN CW614N Equiv.	1	Chrome Plating
②	Gland Nut	EN CW614N Equiv.	1	Chrome Plating
③	Ring	EN CW50SL Equiv.	2	-
④	O-Ring	NBR	1	-
⑤	Spindle	EN CW614N Equiv.	1	Chrome Plating
⑥	Body	EN CW617N Equiv.	1	Chrome Plating
⑦	Lock Nut	EN CW614N Equiv.	1	Chrome Plating

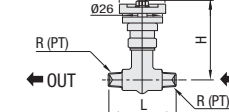
Maximum thickness is 5mm for Mounting Panel of Stainless Steel Needle Valve.

Stainless Steel - Male Both Ends



M Material: EN 1.4301 Equiv.

NBPPS

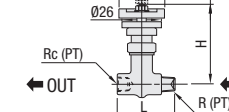


Stainless Steel - Male Thread / Female Thread



M Material: EN 1.4301 Equiv.

NBPCS

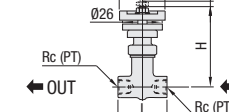


Stainless Steel - Female Both Ends



M Material: EN 1.4301 Equiv.

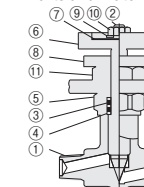
NBCCS



Specifications

Applicable Fluids	Oil, Air, Water, Chemicals
Operating Temperature Range	-20 ~ 150°C (No Freezing)
Max. Operating Pressure	0.98MPa
Recommended Panel Hole Dia.	Ø14

Parts and Materials for Stainless Steel Needle Valves



Part No.	Part Name	Material	Qty.	Processing
①	Body	EN 1.4301 Equiv.	1	-
②	Spindle	EN 1.4301 Equiv.	1	-
③	O-Ring	PTFE	2	-
④	Ring	EN 1.4301 Equiv.	3	-
⑤	Gland Nut	EN 1.4305 Equiv.	1	-
⑥	Handle	EN CW614N Equiv.	1	Chrome Plating
⑦	Label	EN AW-1050 Equiv.	1	-
⑧	Lock Nut	EN CW614N Equiv.	1	Chrome Plating
⑨	Washer	EN 1.4301 Equiv.	1	-
⑩	Hex Nut	EN 1.4301 Equiv.	1	-
⑪	Lock Nut for Panel	EN CW614N Equiv.	1	Chrome Plating

Features of Needle Valves

- Suited for fine adjustment of flow rate of water, oil or air.
- The body and the needle are chrome plated to improve air tightness, damage-proofing and smooth operation.
- The spindle is provided with a lock nut to prevent loosening due to vibration.