

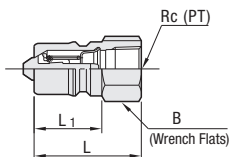
Fluid Couplers

Valve Type / High Flow Rate Valve Type / High Pressure Valve Type

For combination of plugs and sockets, refer to P.1414.

Valve Type Plugs

Type		Material
Standard Type	High Flow Rate	
QBPF C	QBPFCH	Brass
QBPF S	QBPF SH	SUS304

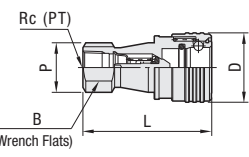


Part Number Type	No.	Rc (PT)	L	L1	B	Unit Price			
						QBPF C	QBPF S	QBPFCH	QBPF SH
QBPF C QBPF S QBPFCH QBPF SH	1	1/8	29	19	14				
	2	1/4	35.5 (33)	22	17				
	3	3/8	39.9 (37)	25.2	21				
	4	1/2	44	28	29				
	6	3/4	52	36.5	35				

Values in () are for QBPFCH and QBPF SH.

Valve Type Sockets

Type		Material
Standard Type	High Flow Rate	
QBSFC	QBSFCH	Brass
QBSFS	QBSF SH	SUS304

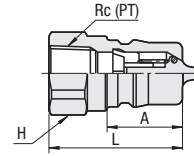


Part Number Type	No.	Rc (PT)	L	D	P	B	Unit Price			
							QBSFC	QBSFS	QBSFCH	QBSF SH
QBSFC QBSFS QBSFCH QBSF SH	1	1/8	48	24	18 (15.5)	14				
	2	1/4	58 (55)	28	22 (19)	17				
	3	3/8	65 (62)	35	25 (23.5)	21				
	4	1/2	71.7	45	35 (32)	29				
	6	3/4	88	55	41 (39)	35				

Values in () are for QBSFCH and QBSF SH.

210 High Pressure Valve Type Plugs

QBPH T

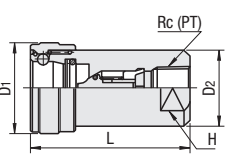


Material: Special Carbon Steel S Surface Treatment: Trivalent Chromate

Part Number Type	No.	Rc (PT)	L	A	Wrench Flats H	Unit Price
	3	3/8	40	22.5	23	
	4	1/2	44	27.5	29	
	6	3/4	50	27.5	32	

210 High Pressure Valve Type Sockets

QBSHT

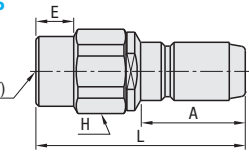


Material: Special Carbon Steel S Surface Treatment: Trivalent Chromate

Part Number Type	No.	Rc (PT)	L	D1	D2	Wrench Flats H	Unit Price
	3	3/8	60	34	28.6	23	
	4	1/2	72.2	43	38.5	35	
	6	3/4	72.2	43	38.5	35	

350 High Pressure Valve Type Plugs

QBPH TP

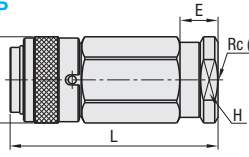


Material: Special Carbon Steel S Surface Treatment: Electroless Nickel Plating

Part Number Type	No.	Rc (PT)	L	A	E	H	Unit Price
QBPH TP	2	1/4	72	36	13	27	
	3	3/8	72	36	13	27	
	4	1/2	82.5	40.5	18	32	
	6	3/4	90	44.5	18	41	

350 High Pressure Valve Type Sockets

QBSHT P



Material: Special Carbon Steel S Surface Treatment: Electroless Nickel Plating

Part Number Type	No.	Rc (PT)	L	D	E	H	Unit Price
QBSHT P	2	1/4	82	34	13	30	
	3	3/8	82	34	13	30	
	4	1/2	93.5	41	16	36	
	6	3/4	105.5	49	18	46	

Ordering Example

Part Number: QBPF C3

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

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Specifications

Body Material	Brass	SUS304	Special Carbon Steel
Applicable Fluid	Water, Oil, Air	Water, Oil, Air	Oil
Seal Material	Nitrile Rubber	Fluoro Rubber	Nitrile Rubber
Operating Temperature Range*	-20~80°C	-15~180°C	-20~80°C
Max. Operating Pressure	4.9MPa for No. 6 or 8	7.4MPa for No. 6 or 8	20.6MPa (210 Type) 34.3MPa (350 Type)
Pressure Resistant	7.4MPa for No. 6 or 8	9.8MPa for No. 6 or 8	30.9MPa (210 Type) 51.5MPa (350 Type)

Plug, Socket Compatibility

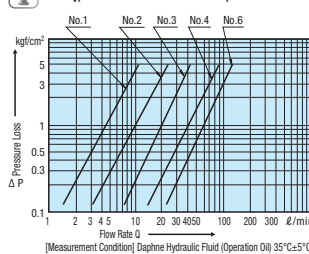
Type	Plugs	Sockets	Combining Different Sizes
Standard	QBPF C QBPF S	QBSFC QBSFS	Not Possible
High Flow Rate Valve	QBPFCH QBPF SH	QBSFCH QBSF SH	
210 High Pressure Valve	QBPH T	QBSHT	
350 High Pressure Valve	QBPH TP	QBSHT P	

They cannot be combined with couplers listed in other pages.

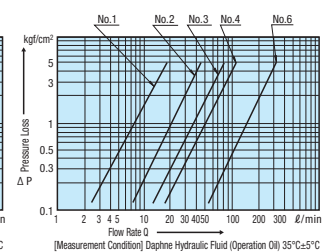
Flow Direction

Fluids are allowed to flow from either the socket side or the plug side.

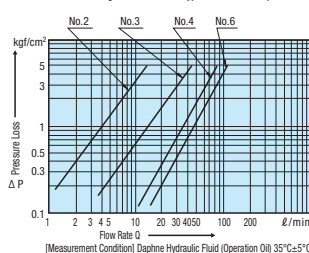
Valve Type Pressure Loss - Flow Rate Properties



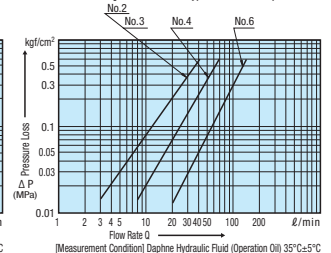
Pressure Loss for High Flow Rate Valve Type - Flow Rate Properties



Pressure Loss for 210 High Pressure Valve Type - Flow Rate Properties



Pressure Loss for 350 High Pressure Valve Type - Flow Rate Properties



* No Freezing