Ball Valves - Full Flow and Mini Design NPTF/Inch Series 2930N, 2935N, 2940, 2960

Nickel-Plated (2940), Chrome-Plated (2930N and 2935N) Plain Brass (2960) Thread Type: 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" NPTF



- · Dual sealing system allows valves to be operated in either direction
- · No metal-to-to metal moving parts
- · Maintenance-free design
- Silicone-free lubricant on all seals
- · Chrome-plated brass ball for longer life
- · Seats are self-lubricating PTFE with wear compensating lip design

TECHNICAL SPECIFICATIONS - Check Individual Product Tables for Details

2 way / 2 position; 3 way / 2 position (Series 2960) Valve group Ball valve Construction Mounting In-line Materials Brass body (2960), Nickel-Plated brass body (2940), Chrome-Plated Brass Body (2930N and 2935N) Zinc-plated steel handles (2940 and 2960), 2930N and 2935N in Nylon Hardened chrome-plated brass ball Teflon seat (P.T.F.E.) Threaded port sizes 1/8", 1/4", 3/8", 1/2" NPTF (2930N ad 2935N) 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" NPTF (2940) Installation Operating temperature Series 2940 - 4°F to 340°F Series 2960 - 4°F to 340°F Series 2930N/2935N - 4°F to 200°F Fluid

PNEUMATIC DATA

Working pressure	Series 2940: 600 psi
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Series 2930N/2935N: 1/8", 1/4", 3/8", 1/2"

Series 2960: All sizes 450 psi

Filtered air (for others, check with factory)

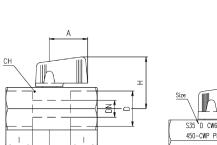
Nominal flow 2940 - Full flow design, Others see flow data in tables



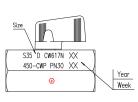
Mini Ball Valve, Series 2930 N (Female-Female thread ports)

These valves are constructed of all chrome-plated, brass body, hardened chrome-plated brass ball, teflon seat, and light weight plastic handle.

Kv = Flow coefficient in M3/h \rightarrow 100kPa differential pressure (DP 14.5 psi)



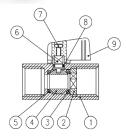
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	DIMENSIONS (in inches)														
Economical Ball Valves (chrome-plated, brass body)															
Mod.	D (NPT)	DN	- 1	L	G	Α	Н	СН	Kv	Kg	PSI				
2930 N-1/8PT	1/8"	0.236	0.354	1.712	0.905	0.885	1.220	0.826	4.6	0.11	450				
2930 N-1/4PT	1/4"	0.314	0.472	1.712	0.905	0.885	1.220	0.826	5.7	0.11	450				
2930 N-3/8PT	3/8"	0.314	0.472	1.712	0.905	0.885	1.220	0.826	5.7	0.11	450				
2930 N-1/2PT	1/2"	0.393	0.610	2.106	1.102	0.885	1.299	0.984	9.4	0.11	450				





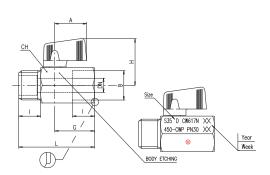


	MATERIALS												
	Part Description	Qty	Material	Standard									
1	Sand blasted chrome- plated body	1	CW617N	EN12164									
2	Unplated retainer nut	1	CW617N	EN12164									
3	Retainer seat	1	PTFE										
4	Chrome-plated ball	1	CW617N	EN12164									
5	Body Seat	1	PTFE										
6	Unplated stem	1	CW617N	EN12164									
7	Zinc-plated screw	1	CB4FF	EN10263/2									
8	O-Ring	1	FPM										
9	Black Handle (RAL 9005)	1	Nylon glass filled 30%										

Mini Ball Valve, Series 2935 N (Male - Female thread ports)

These valves are constructed of all chrome-plated, brass body, hardened chrome-plated brass ball, teflon seat, and light weight plastic handle.

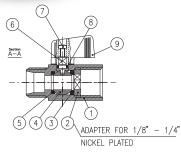
Kv = Flow coefficient in M3/h \rightarrow 100kPa differential pressure (DP 14.5 psi)



	DIMENSIONS (in inches)														
Economical Ball Valves (chrome-plated, brass body)															
Mod.	D (NPT)	DN	- 1	L	G	Α	Н	CH	Κv	Kg	PSI				
2935 N-1/8PT	1/8"	0.197	0.354	1.712	0.905	0.885	1.220	0.826	4.6	0.11	450				
2935 N-1/4PT	1/4"	0.314	0.472	1.712	0.905	0.885	1.220	0.826	5.7	0.11	450				
2935 N-3/8PT	3/8"	0.314	0.472	1.712	0.905	0.885	1.220	0.826	5.7	0.11	450				
2935 N-1/2PT	1/2"	0.393	0.610	2.106	1.102	0.885	1.299	0.984	9.4	0.14	450				





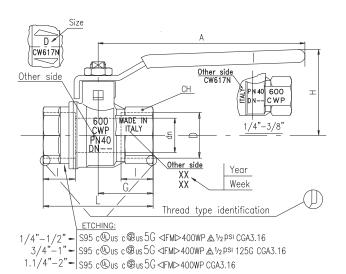


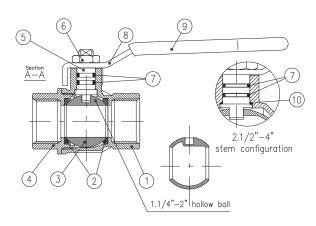
MATERIALS													
Item #	Part Description	Qty	Material	Standard									
1	Sand blasted chrome- plated body	1	CW617N	EN12164									
2	Unplated retainer nut	1	CW617N	EN12164									
3	Retainer seat	1	PTFE										
4	Chrome-plated ball	1	CW617N	EN12164									
5	Body Seat	1	PTFE										
6	Unplated stem	1	CW617N	EN12164									
7	Zinc-plated screw	1	CB4FF	EN10263/2									
8	O-Ring	1	FPM										
9	Black Handle (RAL 9005)	1	Nylon glass filled 30%										

Ball Valve, Series 2940

These valves are constructed of an electrolytic nickel-plated brass body, a steel handle, a hardened chrome-plated brass ball, and a teflon seat. These valves are suitable for industrial, pneumatic, hydraulic, and various domestic installations. Among the various types of compounds which can be transported through these valves are steam, gasoline, fuel, oils, kerosene, acids, and compressed air.







Flow Rate (GPM) in gallons per minute of H20 determined with a pressure drop of 1 psi

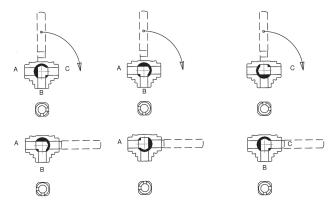
DIMENSIONS (in inches)														
Mod.	D (NPT)	DN	I	L	G	Α	Н	СН	Flow Rate (GPM)	PSI				
2940 1/4PT	1/4"	0.314	0.472	1.771	0.885	3.228	1.563	0.787	4	600				
2940 3/8PT	3/8"	0.393	0.472	1.771	0.885	3.228	1.563	0.787	6	600				
2940 1/2PT	1/2"	0.590	0.610	2.322	1.161	3.937	1.695	0.984	18	600				
2940 3/4PT	3/4"	0.787	0.669	2.519	1.259	4.724	1.988	1.220	30	600				
2940 1PT	1"	0.984	0.826	3.188	1.594	4.724	2.153	1.574	50	600				
2940 1 1/4PT	1-1/4"	1.259	0.905	3.661	1.83	6.220	2.988	1.929	75	600				
2940 1 1/2PT	1-1/2"	1.574	0.905	4.015	2.007	6.220	3.236	2.125	110	600				

	MA	TERIA	LS	
	Part Description	Material	Standard	
1	Sand blasted. nickel- plated body	1	CW617N	EN12165
2	Seat	2	PTFE	
3	Chrome-plated ball	1	CW617N	EN12165
4	Sand blasted. nickel- plated end cap	1	CW617N	EN12165
5	Nickel-plated stem. O-rig design	1	CW617N	EN12164
6	Geomet® plated steel nut	1	CB4FF	EN10263/2
7	O-Ring	2	FPM	
8	Geomet® plated steel handle up to 2"	1	DD11	EN10111
9	Yellow dipped coating (RAL 1028)	1	PVC	
10	Washer	1	PTFE	

Selector Ball Valve, Series 2960 L-Passage, 3-way/2-position, Lockable

These valves are constructed of a brass body, a steel handle, a hardened chrome-plated brass ball, and a teflon seat. These valves are suitable for industrial, pneumatic, hydraulic, and various domestic installations. Among the various types of compounds which can be transported through these valves are steam, gasoline, fuel, oils, kerosene, acids, and compressed air.

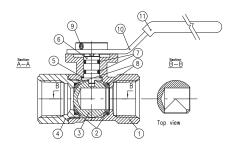




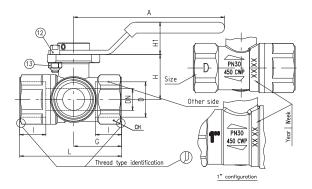
Ball bores position is by the stem's milling: A B C = outlets $90\hat{u}$ lever rotations

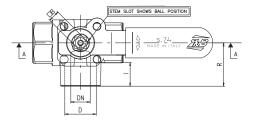
To change outlets combination operation as follow:

Remove the lever; turn the stem into the desired starting position); Reset the lever



MATERIALS												
	Part Description	Qty	Material	Standard								
1	Sand blasted unplated body	1	CW617N	EN12165								
2	Seat	2	PTFE Graphite filled 15%									
3	Chrome-plated ball	1	CW617N	EN12164								
4	Sand blasted unplated end cap	1	CW617N	EN12165								
5	Washer	1	PTFE Carbon filled 25%									
6	Nickel-plated stem O-ring design	1	CW617N	EN12164								
7	Stem O-ring	2	FPM									
8	Seat O-ring	2	FPM									
9	Handle screw	1	Steel 4.8	ISO 4026								
10	Geomet® steel handle	1	DD11	EN10111								
11	Black dipped coating (RAL 9005)	1	PVC									
12	Unplated stop	1	CW617N	EN12164								
13	Zinc-plated nut	1	Steel 8S	UNI 7474								





DIMENSIONS (in inches)															
Mod.	D (NPT)	DN	I	L	G	Н	H1	СН	□В	Α	R	Flow rate (GPM)	Cv	Kg	PSI
2960 1/2PT	1/2"	0.591	0.610	2.638	1.299	1.220	0.876	1.220	0.354	4.055	1.220	15	7.0	0.55	450
2960 3/4PT	3/4"	0.591	0.709	2.736	1.299	1.220	0.876	1.220	0.354	4.055	1.319	15	7.0	0.65	450
2960 1PT	1"	0.748	0.827	3.228	1.614	1.516	0.876	1.496	0.354	4.055	1.614	19	12.83	1.20	450

Flow Rate in GPM (gallons/ minute H2O) determined with a pressure drop of 1 psi

