

STATIC BALANCING VALVES

9505

Variable orifice bronze double reg. valve

PN25



Threaded F/F (ISO 228/1)
Bronze body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9505B010.946	010 - 3/8"	15	482	7,2
F9505B015.946	015 - 1/2"	15	544	8,2
F9505B020.946	020 - 3/4"	15	586	8,8
F9505B025.946	025 - 1"	10	722	7,2
F9505B032.946	032 - 1 1/4"	10	1105	11,1
F9505B040.946	040 - 1 1/2"	8	1493	11,9
F9505B050.946	050 - 2"	5	2030	10,2



STF version available on request

9515

Fixed orifice DZR brass double reg. valve

PN25



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
DN15 also for low (L), very low (U) and ultra low flows (X)
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95V04015.1094	X 015 - X 1/2"	15	585	8,8
F95V03015.1094	U 015 - U 1/2"	15	585	8,8
F95V02015.1094	L 015 - L 1/2"	15	585	8,8
F95V01015.1094	015 - 1/2"	15	582	8,7
F95V01020.1094	020 - 3/4"	10	644	6,4
F95V01025.870	025 - 1"	10	766	7,7
F95V01032.870	032 - 1 1/4"	8	1265	10,1
F95V01040.870	040 - 1 1/2"	6	1583	9,5
F95V01050.870	050 - 2"	5	2172	10,9



Version with copper pipe adaptors on request

9585

Fixed orifice bronze double reg. valve

PN25



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Bronze body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
DN15 also for low (L) and very low flows (U)
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95Z03015.2039	U 015 - U 1/2"	15	573	8,6
F95Z02015.2039	L 015 - L 1/2"	15	571	8,6
F95Z01015.2039	015 - 1/2"	15	566	8,5
F95Z01020.2039	020 - 3/4"	10	630	6,3
F95Z01025.2033	025 - 1"	10	801	8,0
F95Z01032.2033	032 - 1 1/4"	8	1317	10,5
F95Z01040.2033	040 - 1 1/2"	6	1683	10,1
F95Z01050.2033	050 - 2"	5	2274	11,4



Version with copper pipe adaptors on request

9525

DZR Brass ON/OFF terminal balancing valve

PN20



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
Disc gasket and O-rings in EPDM Perox
ABS ON/OFF cap, may be used with Vaurien actuator
DN15 also in low flow version (L)
Working conditions: Water, -10°C to +130°C
Max 20bar up to 80°C, max 10bar at 130°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95E0L015.1934	L 015 - L 1/2"	20	360	7,2
F95E00015.1934	015 - 1/2"	20	340	6,8
F95E00020.1934	020 - 3/4"	20	520	10,4
F95E00025.1934	025 - 1"	20	640	12,8



Vaurien 100N only for L-DN15, DN15 and DN20, Vaurien 125N for all DN's

VAURIEN

Linear thermoelectric actuator



Supply voltage: 24V AC/DC or 230VAC
M30x1,5mm threaded nut with fast connection
Enclosure protection: IP54
2 points control
Stroke time: about 3 to 5 minutes
Normally closed (NC)
Normally open (NO) version available on request



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
230VAC version				
KA952AT50.800	100N	1	115	0,1
KA952AT05.800	125N	1	110	0,1
24V AC/DC version				
KA952AT52.800	100N	1	115	0,1
KA952AT07.800	125N	1	110	0,1



9535

Variable orifice DZR brass double reg. valve

PN20



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
Disc gasket and O-rings in EPDM Perox
ABS handwheel, supplied with allen key for setting
DN15 also in low flow version (L)
Working conditions: Water, -10°C to +130°C
Max 20bar up to 80°C, max 10bar at 130°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95EBL015.2028	L 015 - L 1/2"	20	350	7,0
F95EB0015.2028	015 - 1/2"	20	390	7,8
F95EB0020.2028	020 - 3/4"	20	510	10,2
F95EB0025.2028	025 - 1"	20	650	13,0



STATIC BALANCING VALVES

9555P

Cast iron double reg. valve with test points

PN16



Flanged PN16 (EN1092-2)
 Cast Iron body
 Brass inner components, EPDM O-ring gaskets
 Composite material regulating disc
 Polyamid handwheel
 Supplied with 2 test points in DZR brass (unmounted)
 Working conditions: Water, -10°C to +110°C



ERC **CE**

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9500I040.1959	040 - 1 1/2"	1	6100	6,1
F9500I050.1959	050 - 2"	1	8300	8,3
F9500I065.1959	065 - 2 1/2"	1	13400	13,4
F9500I080.1959	080 - 3"	1	17500	17,5
F9500I100.1959	100 - 4"	1	24000	24,0
F9500I125.1959	125 - 5"	1	34000	34,0
F9500I150.1959	150 - 6"	1	48500	48,5
F9500I200.1959	200 - 8"	1	114500	114,5
F9500I250.1959	250 - 10"	1	159000	159,0
F9500I300.1959	300 - 12"	1	210500	210,5
F9500I350.3161	350 - 14"	1	375000	375,0
F9500I400.3161	400 - 16"	1	510000	510,0
Spare handwheel				
KXV955040.2220	40-50	1	40	0,0
KXV955065.2220	65-150	1	118	0,1
KXV955200.2220	200-300	1	1000	1,0
KXV955350.2220	350-400	1	1850	1,9

9565P

Cast iron double reg. valve with orifice plate

PN16



Flanged PN16 (EN1092-2)
 Cast Iron body
 Brass inner components, EPDM O-ring gaskets
 Composite material regulating disc
 Polyamid handwheel
 Supplied with SS316 stainless steel orifice plate
 Working conditions: Water, -10°C to +110°C



ERC

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
9555P+9450	040 - 1 1/2"	1	7072	7,1
9555P+9450	050 - 2"	1	9442	9,4
9555P+9450	065 - 2 1/2"	1	14868	14,9
9555P+9450	080 - 3"	1	19262	19,3
9555P+9450	100 - 4"	1	25967	26,0
9555P+9450	125 - 5"	1	36560	36,6
9555P+9450	150 - 6"	1	51450	51,5
9555P+9450	200 - 8"	1	118640	118,6
9555P+9450	250 - 10"	1	164350	164,4
9555P+9450	300 - 12"	1	217330	217,3
9555P+9450	350 - 14"	1	387400	387,4
9555P+9450	400 - 16"	1	524500	524,5

9555J

Variable orifice cast iron double regulating valve grooved **PN16**



Grooved (ANSI/AWWA C606 / Metric)
Cast Iron body
EPDM O-ring gaskets
Balancing cone in Ductile Iron
Supplied with 2 test points in DZR brass
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9555J040.3210	040 - 1 1/2"	1	5800	5,8
F9555J050.3210	050 - 2"	1	9000	9,0
F9555J065.3210	065 - 2 1/2"	1	10800	10,8
F9555J080.3210	080 - 3"	1	26800	26,8
F9555J100.3210	100 - 4"	1	27400	27,4
F9555J125.3210	125 - 5"	1	52750	52,8
F9555J150.3210	150 - 6"	1	63800	63,8
F9555J200.3210	200 - 8"	1	161000	161,0
F9555J250.3210	250 - 10"	1	252000	252,0
F9555J300.3210	300 - 12"	1	310000	310,0

ERC

9595

Stainless steel balancing ball valve

PN40



Flanged PN40 for DN≤50, PN16 above (EN1092-1)
Body and ball in stainless steel SS316
FPM stem seal, PTFE seats
PN16 for DN≥65
Working conditions: Water, -30°C to 200°C
DN≤50, max 40bar up to 90°C, max 0bar at 200°C
DN≥65, max 16bar up to 156°C, max 0bar at 200°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95950015.1775	015 - 1/2"	1	2200	2,2
F95950020.1775	020 - 3/4"	1	2600	2,6
F95950025.1775	025 - 1"	1	3100	3,1
F95950032.1775	032 - 1 1/4"	1	4700	4,7
F95950040.1775	040 - 1 1/2"	1	5900	5,9
F95950050.1775	050 - 2"	1	7600	7,6
F95950065.1775	065 - 2 1/2"	1	9800	9,8
F95950080.1775	080 - 3"	1	11300	11,3
F95950100.1775	100 - 4"	1	15000	15,0
F95950125.1775	125 - 5"	1	22000	22,0
F95950150.1775	150 - 6"	1	30400	30,4
F95950200.1775	200 - 8"	1	51000	51,0
F95950250.1775	250 - 10"	1	100000	100,0

ERC CE

9594

Stainless steel balancing ball valve

PN40



Welding ends
Body and ball in stainless steel SS316
FPM stem seal, PTFE seats
PN25 for DN≥65
Working conditions: Water, -30°C to 200°C
DN≤50, max 40bar up to 90°C, max 0bar at 200°C
DN≥65, max 25bar up to 131°C, max 0bar at 200°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95940015.1215	015 - 1/2"	1	900	0,9
F95940020.1215	020 - 3/4"	1	900	0,9
F95940025.1215	025 - 1"	1	1100	1,1
F95940032.1215	032 - 1 1/4"	1	1300	1,3
F95940040.1215	040 - 1 1/2"	1	2100	2,1
F95940050.1215	050 - 2"	1	2600	2,6
F95940065.1215	065 - 2 1/2"	1	4300	4,3
F95940080.1215	080 - 3"	1	5200	5,2
F95940100.1215	100 - 4"	1	7200	7,2
F95940125.1215	125 - 5"	1	11500	11,5
F95940150.1215	150 - 6"	1	16400	16,4
F95940200.1215	200 - 8"	1	36000	36,0
F95940250.1215	250 - 10"	1	71000	71,0

ERC CE

STATIC BALANCING VALVES

9400

DZR brass metering station

PN25



Threaded M/F ISO7/1 Rp (F side ISO 228/1 on DN15 and DN20)
 Body and Venturi insert in DZR brass
 EPDM/NBR test point gaskets
 DN15 also for low (L), very low (U) and ultra low flows (X)
 Working conditions: Water, -10°C to +130°C
 Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F95MS4015.1096	X 015 - X 1/2"	25	218	5,5
F95MS3015.1096	U 015 - U 1/2"	25	218	5,5
F95MS2015.1096	L 015 - L 1/2"	25	216	5,4
F95MS1015.1096	015 - 1/2"	25	213	5,3
F95MS1020.1096	020 - 3/4"	25	254	6,4
F95MS1025.707	025 - 1"	15	353	5,3
F95MS1032.707	032 - 1 1/4"	15	463	6,9
F95MS1040.707	040 - 1 1/2"	10	531	5,3
F95MS1050.707	050 - 2"	10	755	7,6

ERC

Version with copper pipe adaptors on request

9450

Stainless steel orifice plate

PN16



Wafer type suitable for EN1092 PN16 flanges
 SS316 stainless steel body (SS304 for DN≥450)
 Supplied with extensions and test points
 PN10 for DN≥350
 Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F94500040.1073	040 - 1 1/2"	1	972	1,0
F94500050.1073	050 - 2"	1	1142	1,1
F94500065.1073	065 - 2 1/2"	1	1468	1,5
F94500080.1073	080 - 3"	1	1762	1,8
F94500100.1073	100 - 4"	1	1967	2,0
F94500125.1073	125 - 5"	1	2560	2,6
F94500150.1073	150 - 6"	1	2950	3,0
F94500200.1073	200 - 8"	1	4140	4,1
F94500250.1073	250 - 10"	1	5350	5,4
F94500300.1073	300 - 12"	1	6830	6,8
F94500350.1073	350 - 14"	1	12400	12,4
F94500400.1073	400 - 16"	1	14500	14,5
F94500450.2383	450 - 18"	1	17000	17,0
F94500500.2383	500 - 20"	1	21000	21,0
F94500600.2383	600 - 24"	1	35000	35,0

ERC

DYNAMIC BALANCING VALVES

9900P

DZR brass automatic balancing valve

PN25



Threaded F/F union ends (ISO 7/1 Rp)
 With metallic cartridges from 0,02l/s to 2,6l/s
 2 available ΔP ranges (up to max 440kPa depending on DN)
 DZR brass body and cartridge
 Working conditions: Water, -10°C to +130°C
 Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F990P0015.2281	015 - 1/2"	25	293	7,3
F990POH15.2281	H 015 - H 1/2"	25	443	11,1
F990POL20.2281	L 020 - L 3/4"	25	365	9,1
F990P0020.2281	020 - 3/4"	25	401	10,0
F990P0025.2281	025 - 1"	25	588	14,7
F990P0032.2281	032 - 1 1/4"	10	1342	13,4
F990P0040.2281	040 - 1 1/2"	10	1493	14,9
F990P0050.2281	050 - 2"	10	2027	20,3

ERC

9905V

DZR brass automatic bal. valve with test points

PN25



Threaded F/F union ends (ISO 7/1 Rp)
 With metallic cartridges from 0,02l/s to 9,7l/s
 2 available ΔP ranges (up to max 440kPa depending on DN)
 DZR brass body, test points and cartridge
 Working conditions: Water, -10°C to +130°C (110°C for DN≥65)
 Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F990V5015.1904	015 - 1/2"	25	375	9,4
F990V5H15.1904	H 015 - H 1/2"	25	523	13,1
F990V5L20.1904	L 020 - L 3/4"	25	460	11,5
F990V5020.1904	020 - 3/4"	25	534	13,4
F990V5025.1904	025 - 1"	25	656	16,4
F990V5032.1904	032 - 1 1/4"	10	1554	15,5
F990V5040.1904	040 - 1 1/2"	10	1530	15,3
F990V5050.1904	050 - 2"	10	2064	20,6
F990V5H50.1904	H 050 - H 2"	2	3650	7,3
F990V5065.1904	065 - 2 1/2"	2	3872	7,7

ERC

Ver. with plugs available (allow later mounting of test points): F990V0mis.1903

9920, 9925

ON/OFF DZR brass automatic balancing valve

PN25



Threaded F/F union ends (ISO 7/1 Rp)
 With metallic cartridges from 0,02l/s to 0,95l/s
 2 available ΔP ranges (up to max 440kPa depending on DN)
 DZR brass body, test points (optional) and cartridge
 With ON/OFF function, may be used with Vaurien actuator
 Working conditions: Water, -10°C to +130°C
 Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
Fig. 9920				
F99T00015.2164	015 - 1/2"	20	570	11,4
F99T00H15.2239	H 015 - H 1/2"	20	620	12,4
F99T00L20.2164	L 020 - L 3/4"	20	620	12,4
F99T00020.2239	020 - 3/4"	20	755	15,1
F99T00025.2239	025 - 1"	20	879	17,6
Fig. 9925				
F99T50015.2358	015 - 1/2"	20	570	11,4
F99T50H15.2359	H 015 - H 1/2"	20	620	12,4
F99T50L20.2358	L 020 - L 3/4"	20	620	12,4
F99T50020.2359	020 - 3/4"	20	755	15,1
F99T50025.2359	025 - 1"	20	879	17,6

ERC

Vaurien 100N for all DN's, Vaurien 125N only for H-DN15, DN20 and DN25 (pag.23)

DYNAMIC BALANCING VALVES

9955

Ductile iron dynamic balancing valve

PN16



Wafer type suitable for EN1092 PN16 flanges
 With metallic cartridges from 1,6l/s to 6,6l/s
 Multi cartridge system for valves DN100 and above
 With DZR brass extended test points
 Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
F9955V065.2448	065 - 2 1/2"	1	4100	4,1
F9955V080.2448	080 - 3"	1	5600	5,6
F9955V100.2448	100 - 4"	1	8400	8,4
F9955V125.2448	125 - 5"	1	10600	10,6
F9955V150.2448	150 - 6"	1	12500	12,5
F9955V200.2448	200 - 8"	1	15800	15,8
F9955V250.2448	250 - 10"	1	22300	22,3
F9955V300.2448	300 - 12"	1	27700	27,7

ERC

Version PN25 available on request (.2449)
 9955 series valves have 1 to 14 cartridge slots (depending on DN)
 DN65, 1 cartridge - DN80, 1 cartridge - DN100, 2 cartridges - DN125, 3 cartridges - DN150, 4 cartridges
 - DN200, 7 cartridges - DN250, 10 cartridges - DN300, 14 cartridges

Cartucce

Cartridges for automatic balancing valves



Cartridges for 9900P, 9905V, 9920/9925 and 9955
 DZR brass body
 Spring in stainless steel
 Wide range of flows available
 For Fig. 9955 blind caps must be used to blind off unused slots

Vir Code	DN mm - inches	pcs./box	Wgt (g)	Box (Kg)
KRR91rnge.1880	015, L 020	50	54	2,7
KRR92rnge.1880	H 015, 020, 025	50	107	5,4
KRR94rnge.1880	032, 040, 050	15	271	4,1
KRR96rnge.1880	H 050 - 300	3	1420	4,3
KTT995000.2468	Cap	1	205	0,2

ERC