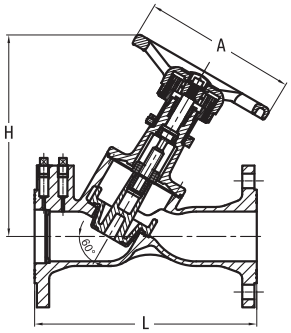
FIXED ORIFICE DOUBLE REGULATING VALVE

PN16 F63F16
PN25 F63F25

FEATURES & SPECIFICATIONS

- Single unit Y-pattern globe valves incorporating fixed orifice plate flow measurement unit
- Fitted with a pair of measuring plugs
- High measurement accuracy of +/-5% across all opening settings
- Microset handwheel and presetting scale is readable from all directions
- Regulating and isolating functions
- Setting can be locked with allen key
- Comply with BS 7350 / BS EN 12266-1
- WRAS approved option available upon request
- Flange drilled to BS 4504 PN16 / EN 1092-2 PN16 / BS 4504 PN25 / EN 1092-2 PN25 / ANSI Class 150 (Specify on order)
- Applicable for hydronic balancing of heating and cooling systems





PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar	25bar
Shell Test Pressure (x1.5)	24bar	37.5bar
Seat Test Pressure (x1.1)	17.6bar	27.5bar
Working Temperature	-10°C ... 80°C	
Suitable Media	Water	

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Ductile Iron	BS EN1563 EN-GJS-450-10
Seal Gasket	EPDM	Commercial
Disc	Ductile Iron+EPDM	BS EN1563 EN-GJS-450-10
Stem Nut	Brass	EN 12165 CW617N
Cover	Ductile Iron	BS EN1563 EN-GJS-450-10
Directed Circle	ABS	
Indicator	ABS	
Packing Gland	Brass (DN65...DN150) Ductile Iron (DN200...DN600)	EN 12165 CW617N BS EN1563 EN-GJS-450-10
Handwheel	Ductile Iron	BS EN1563 EN-GJS-450-10

Part	Material	Specification
Stem	Stainless Steel 410 (DN65...DN300) Stainless Steel 431 (DN350...DN600)	BS970 410S21 BS970 431S29
Packing	PTFE+EPDM	Commercial
Plug	Steel	BS970 Part1 080A15
Orifice	Brass (DN65...DN300) Stainless Steel 304 (DN350...DN600)	EN 12165 CW617N BS970 304S15
Bolt & Screws	Stainless Steel 304	BS970 304S15
Gasket	Stainless Steel 304	BS970 304S15
Indicator Cover	ABS	
Limit Indicator	Brass	EN 12165 CW617N

DIMENSIONS & FLOW COEFFICIENT

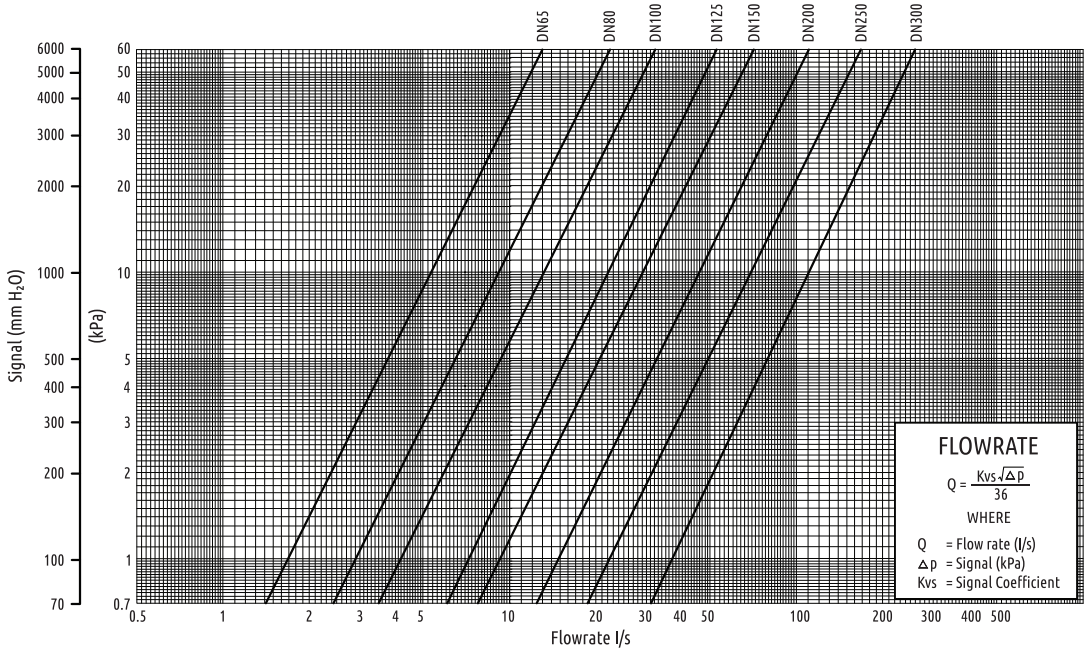
(mm)

DN (mm)	65	80	100	125	150	200	250	300	350	400	450	500	600
DN (inch)	2½	3	4	5	6	8	10	12	14	16	18	20	24
L	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450
H	263	268	300	328	340	525	572	686	681	965	972	1065	1180
A	200	200	240	290	290	350	420	420	420	640	640	640	640
Kvs (Fully Open)	104	116	213	333	476	768	1153	1743	1798	2338	2698	3708	4500
Handwheel Turns	8	8	8	8	8	12	12	18	18	24	24	24	24

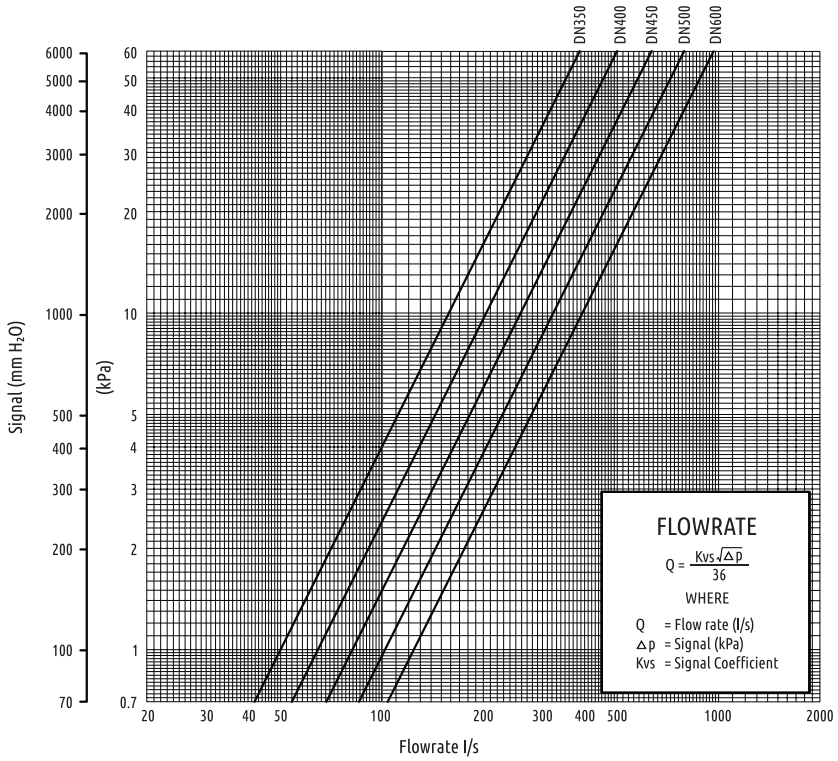
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FIXED ORIFICE DOUBLE REGULATING VALVE

PN16 F63F16
PN25 F63F25



DN	(mm)	65	80	100	125	150	200	250	300
	(inch)	2½	3	4	5	6	8	10	12
	Kvs	104.00	116.00	213.00	333.00	476.00	768.00	1153.00	1743.00



DN	(mm)	350	400	450	500	600
	(inch)	14	16	18	20	24
	Kvs	1798.00	2338.00	2698.00	3708.00	4500.00

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