



# Technical Data

## Hydrovalves > 400 series



### DESCRIPTION:

#### Application

- Regulation and control of fluids in irrigation systems for consortium and aqueducts

#### Specifics

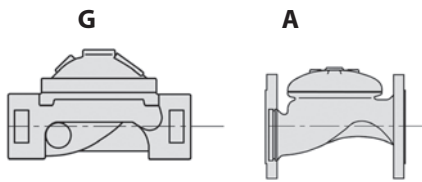
- Hydraulic driving valve by network pressure
- Hydraulically controlled on/off
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

#### Features

- A balanced membrane ensure a total passage allowing a precise and steady adjustment
- In line body design assures a hydraulic path free from cloggings

#### Materials

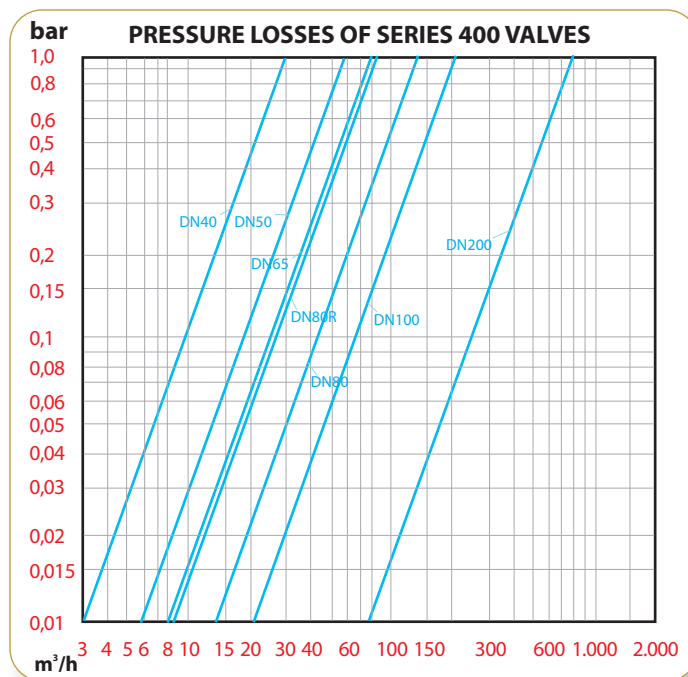
- Body, cap and shutter: grey cast iron
- Diaphragm: NBR
- Spring: stainless steel
- Cap bolts: stainless steel
- Paint: polyester-green colour



### KV FLOW-RATE FEATURE (M<sup>3</sup>/H AT 1 BAR LOAD LOSS)

Dimension	DN	25	40	50	50	65	65	80	80	100	100	150	200
	Inches	1	1½	2	2	2½	2½	3	3	4	4	6	8
Body		G	G	G	A	G	A	G	A	G	A	G	G
Kv		13	57	57	71	78	88	136	152	204	225	448	781

Valves





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Base valve				Hydraulic command (3 ways)				24 V AC electric command (3 ways)			
In line threaded		In line flanged		In line threaded		In line flanged		In line threaded		In line flanged	
Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code
1½"	FERB400	DN80	FERB407	1½"	FERB413	DN80	FERB420	1½"	FERB425	DN80	FERB432
2"	FERB401	DN100	FERB409	2"	FERB414	DN100	FERB422	2"	FERB426	DN100	FERB434
2½"	FERB403	DN150	FERB411	2½"	FERB416	DN150	FERB424	2½"	FERB428		
3"R	FERB404	DN200	FERB412	3"R	FERB417			3"	FERB430		
3"	FERB405			3"	FERB418						

9V DC latch electric command (3 ways)				Pressure reducer (3 ways) Hydraulic command Sagiv				Pressure reducer (3 ways) 24 V AC electric command			
In line threaded		In line flanged		In line threaded		In line flanged		In line threaded		In line flanged	
Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code
1½"	FERB440	DN80	FERB447	1½"	FERB455	DN80	FERB462	1½"	FERB482	DN80	FERB489
2"	FERB441	DN100	FERB449	2"	FERB456	DN100	FERB464	2"	FERB483	DN100	FERB491
2½"	FERB443			2½"	FERB458			2½"	FERB485		
3"	FERB445			3"	FERB460			3"	FERB487		

Pressure reducer (3 ways) 12V DC latch electric command				Pressure reduction + sustain (3 ways)				Pressure quick discharge			
In line threaded		In line flanged		In line threaded		In line flanged		In line threaded		In line flanged	
Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code	Ø	Code
1½"	FERB500	DN80	FERB507	1½"	FERB515	DN80	FERB522	1½"	FERB530	DN80	FERB537
2"	FERB501	DN100	FERB509	2"	FERB516	DN100	FERB524	2"	FERB531	DN100	FERB539
2½"	FERB503			2½"	FERB518			2½"	FERB533		
3"	FERB505			3"	FERB520			3"	FERB535		

Pressure sustain (3 ways)			
In line threaded		In line flanged	
Ø	Code	Ø	Code
1½"	FERB545	DN80	FERB552
2"	FERB546	DN100	FERB554
2½"	FERB548		
3"	FERB550		