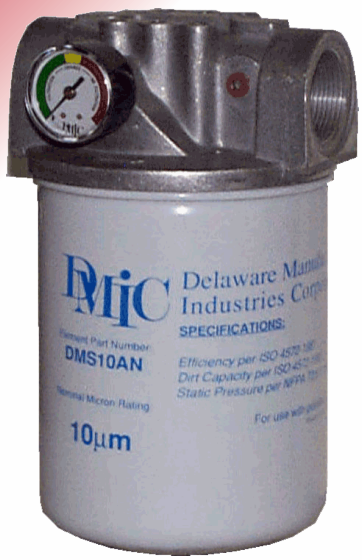
'DS2' Standard Spin-On

Universal SAE+BSP Post accepts most 5½" Elements; Optional Water Removal; Nominal & Absolute Degrees



The **'DS2'** assemblies consist of a **'DH2U'** Universal Head with Buyer's choice of factory installed Φ5½" element. This model is an excellent OEM choice because it accepts almost any hydraulic spin-on element in the field, eliminating sourcing and replacement headaches.

- **3 / 10 / 25** µm Nominal models backed by **published beta ratio**
- **Absolute β_x = 75 models** avaialble in 3/6/12/25 µm degrees
- Designed for 150 PSI maximum operating pressure, rated 300 PSI static
- The most popular DMIC filter model is the **'DS21'** with SAE Element
- Multipass tested according to ISO 4572 for credible, repeatable specs.

Ordering Codes

DS2	1	A	L	Z	N	N

Element Type

Code	Description
DS2	U.S. Standard

Element Length

Code	Port Size(in)
0	BSP Post, Std Length
1	SAE Post, Std Length
2	BSP Post, Long Can
3	SAE Post, Long Can

Micron Rating

Code	Description
A	10µm Nominal, Resinated Micropaper
B	25µm Nominal, Resinated Micropaper
C	3µm Nominal, Resinated Micropaper

Inlet Ports

Code	Description
L	1¼" NPTF
Optional (may incur lead time)	
F	¾" NPTF
H	#12 SAE (1 1/16"-12)
J	1" NPTF

Bypass Valve setting

Code	Description
Z	25 PSI. Optimum Return Line setting
Optional	
X	2½ PSI, Suction line
Y	15 PSI, Not recommended
W	50 PSI, High ΔP

Indicator Position

Code	Description
N	No indicator, only if previous code is "N"
R	Return line (before element)
S	Suction Line (after element)

Clogging Indicator

Code	Description
N	No indicator, not recommended
G	Gauge Indicator (Green, Yellow, Red)
B	Pop-Up Indicator (22.5 PSI)
E	Electric Pressure Switch (22.5 PSI)

Due to our policy of continual product improvement, the specifications in this catalog may change without notice. When designing by spec, please request a certified print.

'DS2' Standard Spin-On

Dimensional Table

Element Data			Head Data		Dimensions (inches)					Performance Data			Filter Assembly Part #
'DS20' with BSP element, To 31 GPM, Universal Post, 1¼" NPT													
Can Length	Post Thread	Element Part #	Standard Head Part #	Standard Bypass PSI	A	B	C	D	Lbs.	Beta Ratio	Nominal Micron Rating	Typical Flow GPM[1]	
5¾" Regular Length	BSP 1¼"	DMS10CN	DH2U-LZIN	25 PSI	5.25	8.96	5.10	1.50	4.20	$\beta_{10} = 15$	3.0µm	10	DS20-CLZNN
		DMS10AN								$\beta_{10} = 1.5$	10µm	18	DS20-ALZNN
		DMS10BN								$\beta_{30} = 4$	25µm	20	DS20-BLZNN
'DS21' with SAE element, To 31 GPM, Universal Post, 1¼" NPT													
5¾" Regular Length	SAE 1½"-16"	DMS11CN	DH2U-LZIN	25 PSI	5.25	8.96	5.10	1.50	3.90	$\beta_{10} = 15$	3.0µm	10	DS21-CLZNN
		DMS11AN								$\beta_{10} = 1.5$	10µm	18	DS21-ALZNN
		DMS11BN								$\beta_{30} = 4$	25µm	20	DS21-BLZNN
'DS22' with Long BSP Can, To 31 GPM, Universal Post, 1¼" NPT													
8" High Flow	BSP 1¼"	DMS15CN	DH2U-LZIN	25 PSI	5.25	13.30	5.10	1.50	5.20	$\beta_{10} = 15$	3.0µm	12	DS22-CLZNN
		DMS15AN								$\beta_{10} = 1.5$	10µm	20	DS22-ALZNN
		DMS15BN								$\beta_{30} = 4$	25µm	26	DS22-BLZNN
'DS23' with Long SAE Can, To 31 GPM, Universal Post, 1¼" NPT													
8" High Flow	SAE 1½"-16"	DMS16CN	DH2U-LZIN	25 PSI	5.25	13.30	5.10	1.50	5.20	$\beta_{10} = 15$	3.0µm	12	DS23-CLZNN
		DMS16AN								$\beta_{10} = 1.5$	10µm	20	DS23-ALZNN
		DMS16BN								$\beta_{30} = 4$	25µm	26	DS23-BLZNN
		DMS16DN								$\beta H_2O = 10$	3.0µm[2]	8	DS23-DLZNN
		DMS16EN								$\beta H_2O = 10$	10µm[2]	10	DS23-ELZNN

(1) Typical flows quoted in U.S. GPM with a new element, using 150 SUS Petroleum Based Fluid at 100°F

(2) Water removal models impose a huge pressure drop when clogged

(3) Absolute series uses gradient µglass media to produce higher flow at a given pressure drop than cellulose