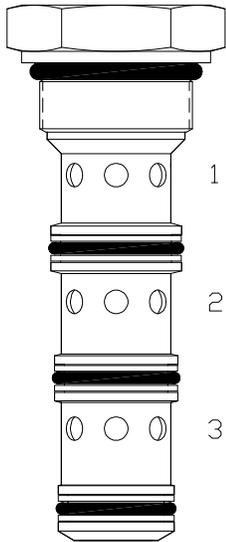


**SN-FDA FLOW DIVIDER / COMBINER VALVE, SPOOL TYPE**



**DESCRIPTION**

16 size, 1 5/16-12 thread “Super Series,” spool-type flow divider/combiner valve.

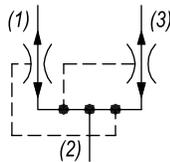
**OPERATION**

In the dividing mode, the SN-FDA will divert input flow from port (2) to ports (3) and (1), based on the ratio specified, regardless of operating pressure. The SN-FDA will combine input flows from ports (3) and (1), to port (2) by same ratio. Should circuit operation result in a blockage of either (3) or (1), the opposite port may also close under certain conditions. Should this potential exist, consult the factory.

**FEATURES**

- Hardened parts for long life.
- Industry common cavity.

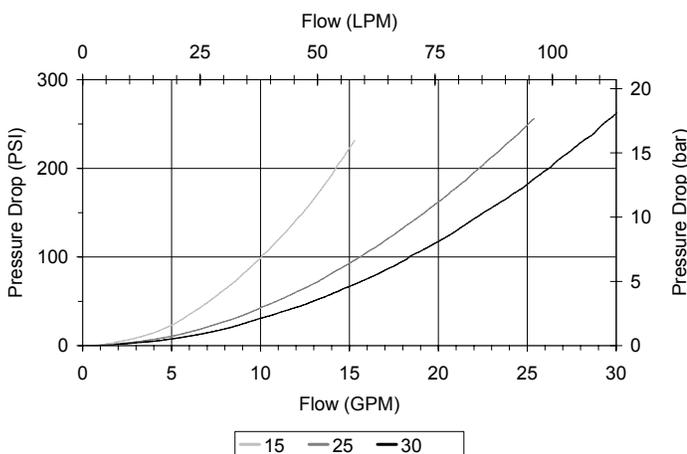
**HYDRAULIC SYMBOL**



*DO NOT EXCEED MAXIMUM FLOW PER MODEL.*

**PERFORMANCE**

Actual Test Data (Cartridge Only)



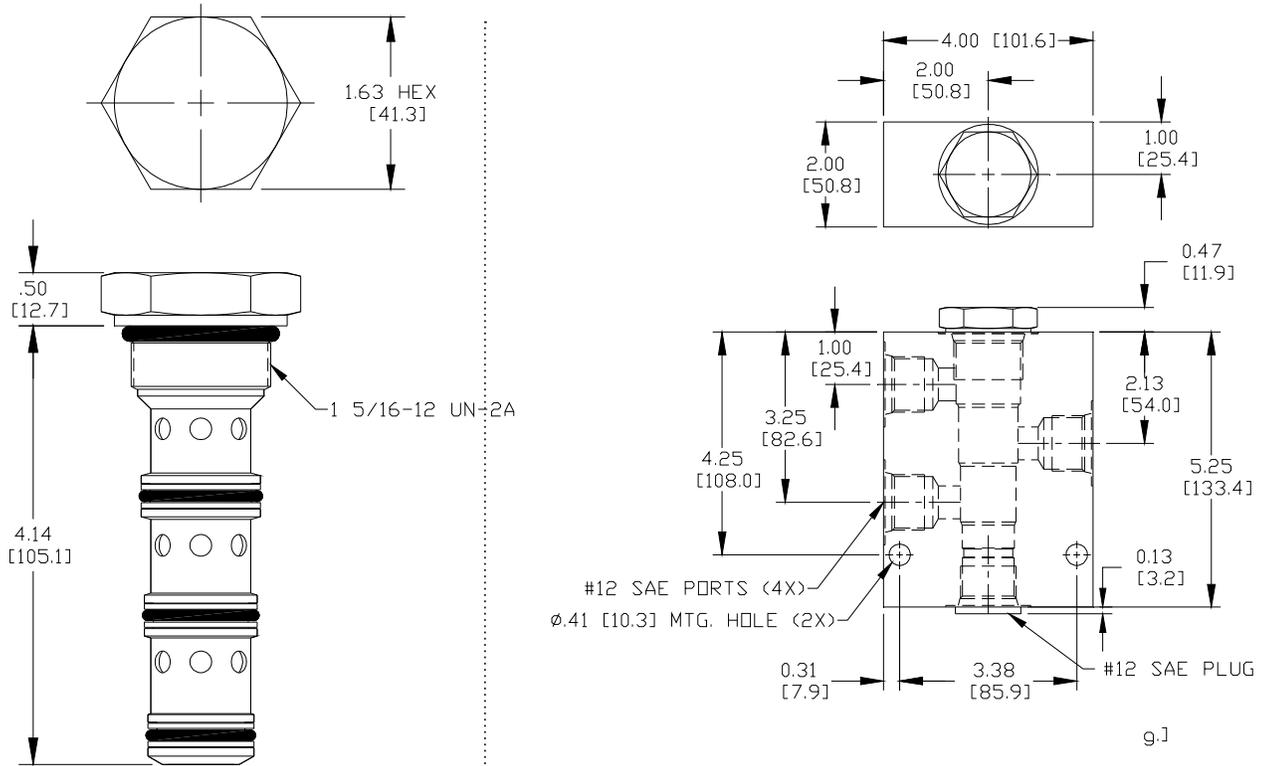
**VALVE SPECIFICATIONS**

Nominal Flow	40 GPM (151 LPM)
Accuracy on Flow Splits	±10% of Max Rated Inlet Flow
Maximum Operating Pressure	3500 PSI (241 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.95 lbs (.43 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	90 ft-lbs (122 Nm)
Cavity	SUPER 4W
Cavity Form Tool (Finishing)	40500019
Seal Kit	21191413

W-51 / 12-2022

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**DIMENSIONS**



Body Weight: 3.21 lbs (1.46 kg)

**ORDERING INFORMATION**

**SN-FDA - - - - -**

<p><b>OPTIONS</b></p> <p>Buna Standard <b>00</b></p> <p>Viton Standard <b>V0</b></p>	<p><b>SPLITS</b></p> <table border="0"> <tr> <td><b>#1</b></td> <td><b>#3</b></td> </tr> <tr> <td>25-75</td> <td><b>25</b></td> </tr> <tr> <td>35-65</td> <td><b>35</b></td> </tr> <tr> <td>40-60</td> <td><b>40</b></td> </tr> <tr> <td>50-50</td> <td><b>50</b></td> </tr> <tr> <td>60-40</td> <td><b>60</b></td> </tr> <tr> <td>65-35</td> <td><b>65</b></td> </tr> <tr> <td>75-25</td> <td><b>75</b></td> </tr> </table>	<b>#1</b>	<b>#3</b>	25-75	<b>25</b>	35-65	<b>35</b>	40-60	<b>40</b>	50-50	<b>50</b>	60-40	<b>60</b>	65-35	<b>65</b>	75-25	<b>75</b>	<p><b>BODIES</b></p> <p>Blank</p> <p><b>S</b></p> <p>Without Body</p> <p>#12 SAE Ports</p> <p><b>Note: must use 4-way body</b></p>
<b>#1</b>	<b>#3</b>																	
25-75	<b>25</b>																	
35-65	<b>35</b>																	
40-60	<b>40</b>																	
50-50	<b>50</b>																	
60-40	<b>60</b>																	
65-35	<b>65</b>																	
75-25	<b>75</b>																	

**INLET FLOW**

<b>15</b>	8-15 GPM
<b>25</b>	15-25 GPM
<b>30</b>	20-30 GPM
<b>40</b>	30-40 GPM *Available as a 50-50 split only

**All non 50-50 split valves (see chart below for flow ratings)**

Consult factory for additional splits

Maximum inlet flow for non 50-50 split valves	
Model code	Maximum inlet flow
<b>15</b>	35-65, 65-35
<b>25</b>	25-75, 40-60, 60-40, 75-25
<b>30</b>	35-65, 65-35

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