







MH Ref.	Specification
S13	Hydraulic Optimum Flow Control Device Flow: 100-200-300-400-500-600 Head: 0.3m, 0.6m, 0.9m, 1.2m, 1.5m, 1.8m, 2.1m, 2.4m, 2.7m, 3.0m, 3.3m, 3.6m, 3.9m, 4.2m, 4.5m, 4.8m, 5.1m, 5.4m, 5.7m, 6.0m, 6.3m, 6.6m, 6.9m, 7.2m, 7.5m, 7.8m, 8.1m, 8.4m, 8.7m, 9.0m, 9.3m, 9.6m, 9.9m, 10.2m, 10.5m, 10.8m, 11.1m, 11.4m, 11.7m, 12.0m, 12.3m, 12.6m, 12.9m, 13.2m, 13.5m, 13.8m, 14.1m, 14.4m, 14.7m, 15.0m, 15.3m, 15.6m, 15.9m, 16.2m, 16.5m, 16.8m, 17.1m, 17.4m, 17.7m, 18.0m, 18.3m, 18.6m, 18.9m, 19.2m, 19.5m, 19.8m, 20.1m, 20.4m, 20.7m, 21.0m, 21.3m, 21.6m, 21.9m, 22.2m, 22.5m, 22.8m, 23.1m, 23.4m, 23.7m, 24.0m, 24.3m, 24.6m, 24.9m, 25.2m, 25.5m, 25.8m, 26.1m, 26.4m, 26.7m, 27.0m, 27.3m, 27.6m, 27.9m, 28.2m, 28.5m, 28.8m, 29.1m, 29.4m, 29.7m, 30.0m, 30.3m, 30.6m, 30.9m, 31.2m, 31.5m, 31.8m, 32.1m, 32.4m, 32.7m, 33.0m, 33.3m, 33.6m, 33.9m, 34.2m, 34.5m, 34.8m, 35.1m, 35.4m, 35.7m, 36.0m, 36.3m, 36.6m, 36.9m, 37.2m, 37.5m, 37.8m, 38.1m, 38.4m, 38.7m, 39.0m, 39.3m, 39.6m, 39.9m, 40.2m, 40.5m, 40.8m, 41.1m, 41.4m, 41.7m, 42.0m, 42.3m, 42.6m, 42.9m, 43.2m, 43.5m, 43.8m, 44.1m, 44.4m, 44.7m, 45.0m, 45.3m, 45.6m, 45.9m, 46.2m, 46.5m, 46.8m, 47.1m, 47.4m, 47.7m, 48.0m, 48.3m, 48.6m, 48.9m, 49.2m, 49.5m, 49.8m, 50.1m, 50.4m, 50.7m, 51.0m, 51.3m, 51.6m, 51.9m, 52.2m, 52.5m, 52.8m, 53.1m, 53.4m, 53.7m, 54.0m, 54.3m, 54.6m, 54.9m, 55.2m, 55.5m, 55.8m, 56.1m, 56.4m, 56.7m, 57.0m, 57.3m, 57.6m, 57.9m, 58.2m, 58.5m, 58.8m, 59.1m, 59.4m, 59.7m, 60.0m, 60.3m, 60.6m, 60.9m, 61.2m, 61.5m, 61.8m, 62.1m, 62.4m, 62.7m, 63.0m, 63.3m, 63.6m, 63.9m, 64.2m, 64.5m, 64.8m, 65.1m, 65.4m, 65.7m, 66.0m, 66.3m, 66.6m, 66.9m, 67.2m, 67.5m, 67.8m, 68.1m, 68.4m, 68.7m, 69.0m, 69.3m, 69.6m, 69.9m, 70.2m, 70.5m, 70.8m, 71.1m, 71.4m, 71.7m, 72.0m, 72.3m, 72.6m, 72.9m, 73.2m, 73.5m, 73.8m, 74.1m, 74.4m, 74.7m, 75.0m, 75.3m, 75.6m, 75.9m, 76.2m, 76.5m, 76.8m, 77.1m, 77.4m, 77.7m, 78.0m, 78.3m, 78.6m, 78.9m, 79.2m, 79.5m, 79.8m, 80.1m, 80.4m, 80.7m, 81.0m, 81.3m, 81.6m, 81.9m, 82.2m, 82.5m, 82.8m, 83.1m, 83.4m, 83.7m, 84.0m, 84.3m, 84.6m, 84.9m, 85.2m, 85.5m, 85.8m, 86.1m, 86.4m, 86.7m, 87.0m, 87.3m, 87.6m, 87.9m, 88.2m, 88.5m, 88.8m, 89.1m, 89.4m, 89.7m, 90.0m, 90.3m, 90.6m, 90.9m, 91.2m, 91.5m, 91.8m, 92.1m, 92.4m, 92.7m, 93.0m, 93.3m, 93.6m, 93.9m, 94.2m, 94.5m, 94.8m, 95.1m, 95.4m, 95.7m, 96.0m, 96.3m, 96.6m, 96.9m, 97.2m, 97.5m, 97.8m, 98.1m, 98.4m, 98.7m, 99.0m, 99.3m, 99.6m, 99.9m, 100.2m, 100.5m, 100.8m, 101.1m, 101.4m, 101.7m, 102.0m, 102.3m, 102.6m, 102.9m, 103.2m, 103.5m, 103.8m, 104.1m, 104.4m, 104.7m, 105.0m, 105.3m, 105.6m, 105.9m, 106.2m, 106.5m, 106.8m, 107.1m, 107.4m, 107.7m, 108.0m, 108.3m, 108.6m, 108.9m, 109.2m, 109.5m, 109.8m, 110.1m, 110.4m, 110.7m, 111.0m, 111.3m, 111.6m, 111.9m, 112.2m, 112.5m, 112.8m, 113.1m, 113.4m, 113.7m, 114.0m, 114.3m, 114.6m, 114.9m, 115.2m, 115.5m, 115.8m, 116.1m, 116.4m, 116.7m, 117.0m, 117.3m, 117.6m, 117.9m, 118.2m, 118.5m, 118.8m, 119.1m, 119.4m, 119.7m, 120.0m, 120.3m, 120.6m, 120.9m, 121.2m, 121.5m, 121.8m, 122.1m, 122.4m, 122.7m, 123.0m, 123.3m, 123.6m, 123.9m, 124.2m, 124.5m, 124.8m, 125.1m, 125.4m, 125.7m, 126.0m, 126.3m, 126.6m, 126.9m, 127.2m, 127.5m, 127.8m, 128.1m, 128.4m, 128.7m, 129.0m, 129.3m, 129.6m, 129.9m, 130.2m, 130.5m, 130.8m, 131.1m, 131.4m, 131.7m, 132.0m, 132.3m, 132.6m, 132.9m, 133.2m, 133.5m, 133.8m, 134.1m, 134.4m, 134.7m, 135.0m, 135.3m, 135.6m, 135.9m, 136.2m, 136.5m, 136.8m, 137.1m, 137.4m, 137.7m, 138.0m, 138.3m, 138.6m, 138.9m, 139.2m, 139.5m, 139.8m, 140.1m, 140.4m, 140.7m, 141.0m, 141.3m, 141.6m, 141.9m, 142.2m, 142.5m, 142.8m, 143.1m, 143.4m, 143.7m, 144.0m, 144.3m, 144.6m, 144.9m, 145.2m, 145.5m, 145.8m, 146.1m, 146.4m, 146.7m, 147.0m, 147.3m, 147.6m, 147.9m, 148.2m, 148.5m, 148.8m, 149.1m, 149.4m, 149.7m, 150.0m, 150.3m, 150.6m, 150.9m, 151.2m, 151.5m, 151.8m, 152.1m, 152.4m, 152.7m, 153.0m, 153.3m, 153.6m, 153.9m, 154.2m, 154.5m, 154.8m, 155.1m, 155.4m, 155.7m, 156.0m, 156.3m, 156.6m, 156.9m, 157.2m, 157.5m, 157.8m, 158.1m, 158.4m, 158.7m, 159.0m, 159.3m, 159.6m, 159.9m, 160.2m, 160.5m, 160.8m, 161.1m, 161.4m, 161.7m, 162.0m, 162.3m, 162.6m, 162.9m, 163.2m, 163.5m, 163.8m, 164.1m, 164.4m, 164.7m, 165.0m, 165.3m, 165.6m, 165.9m, 166.2m, 166.5m, 166.8m, 167.1m, 167.4m, 167.7m, 168.0m, 168.3m, 168.6m, 168.9m, 169.2m, 169.5m, 169.8m, 170.1m, 170.4m, 170.7m, 171.0m, 171.3m, 171.6m, 171.9m, 172.2m, 172.5m, 172.8m, 173.1m, 173.4m, 173.7m, 174.0m, 174.3m, 174.6m, 174.9m, 175.2m, 175.5m, 175.8m, 176.1m, 176.4m, 176.7m, 177.0m, 177.3m, 177.6m, 177.9m, 178.2m, 178.5m, 178.8m, 179.1m, 179.4m, 179.7m, 180.0m, 180.3m, 180.6m, 180.9m, 181.2m, 181.5m, 181.8m, 182.1m, 182.4m, 182.7m, 183.0m, 183.3m, 183.6m, 183.9m, 184.2m, 184.5m, 184.8m, 185.1m, 185.4m, 185.7m, 186.0m, 186.3m, 186.6m, 186.9m, 187.2m, 187.5m, 187.8m, 188.1m, 188.4m, 188.7m, 189.0m, 189.3m, 189.6m, 189.9m, 190.2m, 190.5m, 190.8m, 191.1m, 191.4m, 191.7m, 192.0m, 192.3m, 192.6m, 192.9m, 193.2m, 193.5m, 193.8m, 194.1m, 194.4m, 194.7m, 195.0m, 195.3m, 195.6m, 195.9m, 196.2m, 196.5m, 196.8m, 197.1m, 197.4m, 197.7m, 198.0m, 198.3m, 198.6m, 198.9m, 199.2m, 199.5m, 199.8m, 200.1m, 200.4m, 200.7m, 201.0m, 201.3m, 201.6m, 201.9m, 202.2m, 202.5m, 202.8m, 203.1m, 203.4m, 203.7m, 204.0m, 204.3m, 204.6m, 204.9m, 205.2m, 205.5m, 205.8m, 206.1m, 206.4m, 206.7m, 207.0m, 207.3m, 207.6m, 207.9m, 208.2m, 208.5m, 208.8m, 209.1m, 209.4m, 209.7m, 210.0m, 210.3m, 210.6m, 210.9m, 211.2m, 211.5m, 211.8m, 212.1m, 212.4m, 212.7m, 213.0m, 213.3m, 213.6m, 213.9m, 214.2m, 214.5m, 214.8m, 215.1m, 215.4m, 215.7m, 216.0m, 216.3m, 216.6m, 216.9m, 217.2m, 217.5m, 217.8m, 218.1m, 218.4m, 218.7m, 219.0m, 219.3m, 219.6m, 219.9m, 220.2m, 220.5m, 220.8m, 221.1m, 221.4m, 221.7m, 222.0m, 222.3m, 222.6m, 222.9m, 223.2m, 223.5m, 223.8m, 224.1m, 224.4m, 224.7m, 225.0m, 225.3m, 225.6m, 225.9m, 226.2m, 226.5m, 226.8m, 227.1m, 227.4m, 227.7m, 228.0m, 228.3m, 228.6m, 228.9m, 229.2m, 229.5m, 229.8m, 230.1m, 230.4m, 230.7m, 231.0m, 231.3m, 231.6m, 231.9m, 232.2m, 232.5m, 232.8m, 233.1m, 233.4m, 233.7m, 234.0m, 234.3m, 234.6m, 234.9m, 235.2m, 235.5m, 235.8m, 236.1m, 236.4m, 236.7m, 237.0m, 237.3m, 237.6m, 237.9m, 238.2m, 238.5m, 238.8m, 239.1m, 239.4m, 239.7m, 240.0m, 240.3m, 240.6m, 240.9m, 241.2m, 241.5m, 241.8m, 242.1m, 242.4m, 242.7m, 243.0m, 243.3m, 243.6m, 243.9m, 244.2m, 244.5m, 244.8m, 245.1m, 245.4m, 245.7m, 246.0m, 246.3m, 246.6m, 246.9m, 247.2m, 247.5m, 247.8m, 248.1m, 248.4m, 248.7m, 249.0m, 249.3m, 249.6m, 249.9m, 250.2m, 250.5m, 250.8m, 251.1m, 251.4m, 251.7m, 252.0m, 252.3m, 252.6m, 252.9m, 253.2m, 253.5m, 253.8m, 254.1m, 254.4m, 254.7m, 255.0m, 255.3m, 255.6m, 255.9m, 256.2m, 256.5m, 256.8m, 257.1m, 257.4m, 257.7m, 258.0m, 258.3m, 258.6m, 258.9m, 259.2m, 259.5m, 259.8m, 260.1m, 260.4m, 260.7m, 261.0m, 261.3m, 261.6m, 261.9m, 262.2m, 262.5m, 262.8m, 263.1m, 263.4m, 263.7m, 264.0m, 264.3m, 264.6m, 264.9m, 265.2m, 265.5m, 265.8m, 266.1m, 266.4m, 266.7m, 267.0m, 267.3m, 267.6m, 267.9m, 268.2m, 268.5m, 268.8m, 269.1m, 269.4m, 269.7m, 270.0m, 270.3m, 270.6m, 270.9m, 271.2m, 271.5m, 271.8m, 272.1m, 272.4m, 272.7m, 273.0m, 273.3m, 273.6m, 273.9m, 274.2m, 274.5m, 274.8m, 275.1m, 275.4m, 275.7m, 276.0m, 276.3m, 276.6m, 276.9m, 277.2m, 277.5m, 277.8m, 278.1m, 278.4m, 278.7m, 279.0m, 279.3m, 279.6m, 279.9m, 280.2m, 280.5m, 280.8m, 281.1m, 281.4m, 281.7m, 282.0m, 282.3m, 282.6m, 282.9m, 283.2m, 283.5m, 283.8m, 284.1m, 284.4m, 284.7m, 285.0m, 285.3m, 285.6m, 285.9m, 286.2m, 286.5m, 286.8m, 287.1m, 287.4m, 287.7m, 288.0m, 288.3m, 288.6m, 288.9m, 289.2m, 289.5m, 289.8m, 290.1m, 290.4m, 290.7m, 291.0m, 291.3m, 291.6m, 291.9m, 292.2m, 292.5m, 292.8m, 293.1m, 293.4m, 293.7m, 294.0m, 294.3m, 294.6m, 294.9m, 295.2m, 295.5m, 295.8m, 296.1m, 296.4m, 296.7m, 297.0m, 297.3m, 297.6m, 297.9m, 298.2m, 298.5m, 298.8m, 299.1m, 299.4m, 299.7m, 300.0m, 300.3m, 300.6m, 300.9m, 301.2m, 301.5m, 301.8m, 302.1m, 302.4m, 302.7m, 303.0m, 303.3m, 303.6m, 303.9m, 304.2m, 304.5m, 304.8m, 305.1m, 305.4m, 305.7m, 306.0m, 306.3m, 306.6m, 306.9m, 307.2m, 307.5m, 307.8m, 308.1m, 308.4m, 308.7m, 309.0m, 309.3m, 309.6m, 309.9m, 310.2m, 310.5m, 310.8m, 311.1m, 311.4m, 311.7m, 312.0m, 312.3m, 312.6m, 312.9m, 313.2m, 313.5m, 313.8m, 314.1m, 314.4m, 314.7m, 315.0m, 315.3m, 315.6m, 315.9m, 316.2m, 316.5m, 316.8m, 317.1m, 317.4m, 317.7m, 318.0m, 318.3m, 318.6m, 318.9m, 319.2m, 319.5m, 319.8m, 320.1m, 320.4m, 320.7m, 321.0m, 321.3m, 321.6m, 321.9m, 322.2m, 322.5m, 322.8m, 323.1m, 323.4m, 323.7m, 324.0m, 324.3m, 324.6m, 324.9m, 325.2m, 325.5m, 325.8m, 326.1m, 326.4m, 326.7m, 327.0m, 327.3m, 327.6m, 327.9m, 328.2m, 328.5m, 328.8m, 329.1m, 329.4m, 329.7m, 330.0m, 330.3m, 330.6m, 330.9m, 331.2m, 331.5m, 331.8m, 332.1m, 332.4m, 332.7m, 333.0m, 333.3m, 333.6m, 333.9m, 334.2m, 334.5m, 334.8m, 335.1m, 335.4m, 335.7m, 336.0m, 336.3m, 336.6m, 336.9m, 337.2m, 337.5m, 337.8m, 338.1m, 338.4m, 338.7m, 339.0m, 339.3m, 339.6m, 339.9m, 340.2m, 340.5m, 340.8m, 341.1m, 341.4m, 341.7m, 342.0m, 342.3m, 342.6m, 342.9m, 343.2m, 343.5m, 343.8m, 344.1m, 344.4m, 344.7m, 345.0m, 345.3m, 345.6m, 345.9m, 346.2m, 346.5m, 346.8m, 347.1m, 347.4m, 347.7m, 348.0m, 348.3m, 348.6m, 348.9m, 349.2m, 349.5m, 349.8m, 350.1m, 350.4m, 350.7m, 351.0m, 351.3m, 351.6m, 351.9m, 352.2m, 352.5m, 352.8m, 353.1m, 353.4m, 353.7m, 354.0m, 354.3m, 354.6m, 354.9m, 355.2m, 355.5m, 355.8m, 356.1m, 356.4m, 356.7m, 357.0m, 357.3m, 357.6m, 357.9m, 358.2m, 358.5m, 358.8m, 359.1m, 359.4m, 359.7m, 360.0m, 360.3m, 360.6m, 360.9m, 361.2m, 361.5m, 361.8m, 362.1m, 362.4m, 362.7m, 363.0m, 363.3m, 363.6m, 363.9m, 364.2m, 364.5m, 364.8m, 365.1m, 365.4m, 365.7m, 366.0m, 366.3m, 366.6m, 366.9m, 367.2m, 367.5m, 367.8m, 368.1m, 368.4m, 368.7m, 369.0m, 369.3m, 369.6m, 369.9m, 370.2m, 370.5m, 370.8m, 371.1m, 371.4m, 371.7m, 372.0m, 372.3m, 372.6m, 372.9m, 373.2m, 373.5m, 373.8m, 374.1m, 374.4m, 374.7m, 375.0m, 375.3m, 375.6m, 375.9m, 376.2m, 376.5m, 376.8m, 377.1m, 377.4m, 377.7m, 378.0m, 378.3m, 378.6m, 378.9m, 379.2m, 379.5m, 379.8m, 380.1m, 380.4m, 380.7m, 381.0m, 381.3m, 381.6m, 381.9m, 382.2m, 382.5m, 382.8m, 383.1m, 383.4m, 383.7m, 384.0m, 384.3m, 384.6m, 384.9m, 385.2m, 385.5m, 385.8m, 386.1m, 386.4m, 386.7m, 387.0m, 387.3m, 387.6m, 387.9m, 388.2m, 388.5m, 388.8m, 389.1m, 389.4m, 389.7m, 390.0m, 390.3m, 390.6m, 390.9m, 391.2m, 391.5m, 391.8m, 392.1m, 392.4m, 392.7m, 393.0m, 393.3m, 393.6m, 393.9m, 394.2m, 394.5m, 394.8m, 395.1m, 395.4m, 395.7m, 396.0m, 396.3m, 396.6m, 396.9m, 397.2m, 397.5m, 397.8m, 398.1m, 398.4m, 398.7m, 399.0m, 399.3m, 399.6m, 399.9m, 400.2m, 400.5m, 400.8m, 401.1m, 401.4m, 401.7m, 402.0m, 402.3m, 402.6m, 402.9m, 403.2m, 403.5m, 403.8m, 404.1m, 404.4m, 404.7m, 405.0m, 405.3m, 405.6m, 405.9m, 406.2m, 406.5m, 406.8m, 407.1m, 407.4m, 407.7m, 408.0m, 408.3m, 408.6m, 408.9m, 409.2m, 409.5m, 409.8m, 410.1m, 410.4m, 410.7m, 411.0m, 411.3m, 411.6m, 411.9m, 412.2m, 412.5m, 412.8m, 413.1m, 413.4m, 413.7m, 414.0m, 414.3m, 414.6m, 414.9m, 415.2m, 415.5m, 415.8m, 416.1m, 416.4m, 416.7m, 417.0m, 417.3m, 417.6m, 417.9m, 418.2m, 418.5m, 418.8m, 419.1m, 419.4m, 419.7m, 420.0m, 420.3m, 420.6m, 420.9m, 421.2m, 421.5m, 421.8m, 422.1m, 422.4m, 422.7m, 423.0m, 423.3m, 423.6m, 423.9m, 424.2m, 424.5m, 424.8m, 425.1m, 425.4m, 425.7m, 426.0m, 426.3m, 426.6m, 426.9m, 427.2m, 427.5m, 427.8m, 428.1m, 428.4m, 428.7m, 429.0m, 429.3m, 429.6m, 429.9m, 430.2m, 430.5m, 430.8m, 431.1m, 431.4m, 431.7m, 432.0m, 432.3m, 432.6m, 432.9m, 433.2m, 433.5m, 433.8m, 434.1m, 434.4m, 434.7m, 435.0m, 435.3m, 435.6m, 435.9m, 436.2m, 436.5m, 436.8m, 437.1m, 437.4m, 437.7m, 438.0m, 438.3m, 438.6m, 438.9m, 439.2m, 439.5m, 439.8m, 440.1m, 440.4m, 440.7m, 441.0m, 441.3m, 441.6m, 441.9m, 442.2m, 442.5m, 442.8m, 443.1m, 443.4m, 443.7m, 444.0m, 444.3m, 444.6m, 444.9m, 445.2m, 445.5m, 445.8m, 446.1m, 446.4m, 446.7m, 447.0m, 447.3m, 447.6m, 447.9m, 448.2m, 448.5m, 448.8m, 449.1m, 449.4m, 449.7m, 450.0m, 450.3m, 450.6m, 450.9m, 451.2m, 451.5m, 451.8m, 452.1m, 452.4m, 452.7m, 453.0m, 453.3m, 453.6m, 453.9m, 454.2m, 454.5m, 454.8m, 455.1m, 455.4m, 455.7m, 456.0m, 456.3m, 456.6m, 456.9m, 457.2m, 457.5m, 457.8m, 458.1m, 458.4m, 458.7m, 459.0m, 459.3m, 459.6m, 459.9m, 460.2m, 460.5m, 460.8m, 461.1m, 461.4m, 461.7m, 462.0m, 462.3m, 462.6m, 462.9m, 463.2m, 463.5m, 463.8m, 464.1m, 464.4m, 464.7m, 465.0m, 465.3m, 465.6m, 465.9m, 466.2m, 466.5m, 466.8m, 467.1m, 467.4m, 467.7m, 468.0m, 468.3m, 468.6m, 468.9m